### 5W Wall Mount Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II • Protections: Short circuit/Overload/Overvoltage
- RoHS, Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The F05L5 series model is a wall-mounted power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video (IEC60950, IEC62368). It uses 5W shell, and 26# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 4KV. EMC is designed with Y-cap.

	MODEL	F05L5-050100SP	F05L5-120050SP		
	DC Voltage	5V	12V		
	Rated Current	1A	0.5A		
	Current Range	0 ~ 1A	0 ~ 0.5A		
	Rated Power	5W	6W		
	Ripple & Noise (max.)remark 2	50mVp-p	120mVp-p		
Output	Voltage regulation rage	4.75 ~ 5.25V	11.4 ~ 12.6V		
	Voltage accuracy remark 3	±5.0%	±5.0%		
	linear adjustment rate	±1.0%	±1.0%		
	Load STability	±3.0%	±3.0%		
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)			
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)			
	Voltage range	90 ~ 264VAC(277VAC accessible, c	ompatible with 300VAC in India high		
	Frequency range	47 ~	63Hz		
	Stand-by power consumption	100mW	100mW		
Input	Efficiency(Typ.)	73.62%	78.88%		
·	AC current(Typ.)	0.2A max @100 ~ 240Vac			
	(Typ.) Surge(Typ.) current	COLD START 30A/100Vac	COLD START 30A/100Vac 40A/240Vac		
		110~145% rate	d output power		
Protection	Overload	Hiccup mode: output voltage < 50%, recovers automatically after fault condition is removed.Constant current mode: output 50% <voltage 100%,="" <="" after="" automatically="" condition="" fault="" is="" recovers="" removed.<="" td=""></voltage>			
	Overvoltage	7.5 ~ 10V	18 ~ 24V		
	0.0.0000000	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping			



	MODEL		F05L5-050100	)SP	FC	)5L5-120050SP
	Working	g TEMP		0~+40℃ (45	ວັ°C can work)	
	Working	Humidity	20 ~ 95% RH, non-condensing			
	Storage Temp.& humidity		-20 ~ +75°C, 20 ~ 95% RH, non-condensing			
Environment	Temperature	e coefficient	±0.03%/°C (0 ~ 50°C)			
	Vibration resistance		10 ~ 500Hz	, 1G 10min/cyd	cle, X, Y, Z 30m	nin for each
	Operating	g altitude	5000m			
	Withstand vo	ltage(Hi–Pot)		I/P-O/F	P:3KVAC	
	Insulation	resistance	I/P-O/P:	100M Ohms / 5	500VDC / 25°C/	70% RH
			Parameter	Star	idard	Test Level / Note
			Conducted	EN55032(CISPR	32), FCC Part 15B	Class B
	Flectrom	nagnetic	Radiated	EN55032(CISPR	32), FCC Part 15B	Class B
	compatible	0	Harmonic Current	EN610	00-3-2	Class A
	compatible	o ennission	Voltage Flicker		00-3-3	
			0		0–6–2, EN6120	1/_3
			Parameter		idard	Test Level /Note
Electroma						Level 3, 15KV air;
gnetic			ESD	EN610	00-4-2	Level 2, 8KV contact, criteria
compatible	Electron	nagnetic	Radiated Susceptibility	EN610	00-4-3	Level 3, criteria A
·	compatibility immun	0	EFT/Burest	EN610	00-4-4	Level 3, criteria A
			Surge	EN610	00-4-5	Level 4, 4KV/L-N, criteria
			Conducted	EN610	00-4-6	Level 3, criteria A
			Magnetic Field	EN610	00-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN6100	0-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods
	Safety S	tandards		IEC/EN60950、	60065、62368	
		СВ	•			•
		CE+LVD	•			•
		BIS	•			•
	Safety type	UL/CUL	•			•
	"●"Indicates	GS	•			•
	that it is	PSE	•			•
	currently	PSB	O			Ø
	certified,	CCC	•			•
Safety	"©"Indicates	RCM	•			•
	that the	BSMI	•			•
	applicant meet	IRAM	•			•
	the certifica-	KC	•			Ø
	tion require-	SABS	Ø			Ø
	ment but not	SASO	O			O
		EAC	O			O
		B-MARK	O			Ø
		SII	O			Ø
		BR	O			O
	MT	BF	≥1	00K hrs. MIL-H	HDBK-217F (25	°C)
Other	Size (V				*27mm	
Remark	<ol> <li>All specifications</li> <li>Ripple and noise</li> <li>Accuracy: include</li> </ol>	and parameters sha measurement metho s setting error, linea adapter is an indep	II be measured at the input of 230VAC, r d: capacitance of 0.1uF and 47uF in par r adjustment rate and load adjustment ra endent component, but the final adapter	allel at the terminal a te.	nd the measurement i	is performed under the 20MHZ bandw

### 12W Wall Mount Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/overload/overvoltage
- RoHS、Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The F12L33 series model is a wall-mounted power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video (IEC60950, IEC60065, IEC62368). It uses 12W shell, and 24# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 4KV. EMC is designed with Y-cap.

	MODEL	F12L33-120100SP
	DC Voltage	12V
	Rated Current	1A
	Current Range	0 ~ 1A
	Rated Power	12W
	Ripple & Noise (max.)remark 2	120mVp-p
Output	Voltage regulation rage	11.4 ~ 12.6V
	Voltage accuracy remark 3	±5.0%
	linear adjustment rate	±1.0%
	Load STability	±3.0%
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)
	Voltage range	90 $\sim$ 264VAC(277VAC accessible, compatible with 300VAC in India high
	Frequency range	47 ~ 63Hz
	Stand-by power consumption	100mW
Input	Efficiency(Typ.)	82.96%
	AC current(Typ.)	0.3A max @100 ~ 240Vac
	(Typ.) Surge(Typ.) current	COLD START 30A/100Vac 40A/240Vac
		110~145% rated output power
Protection	Overload	Hiccup mode: output voltage < 50%, recovers automatically after fault condition is removed.Constant current mode: output 50% <voltage 100%,<br="" <="">recovers automatically after fault condition is removed.</voltage>
	Overvoltage	18 ~ 24V
	e ren rentage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping



	MODEL			F12L33-120100SP		
	Working	g TEMP	0 ~ +40°C (45°C can work)			
	Working	Humidity	20 ~ 95% RH, non-condensing			
	Storage Tem	p.& humidity	-20 ~ +75℃, 20 ~ 95% RH, non-condensing			
Environment	Temperature coefficient		±0.03%/°C (0 ~ 50°C)			
	Vibration resistance		10 ~ 500Hz, 1G 10min/cycle, X, Y, Z 30min for each			
	Operating altitude		5000m			
	Withstand vo	ltage(Hi-Pot)	I/P-O/P:3KVAC			
	Insulation	resistance	I/P-O/P:	100M Ohms / 500VDC / 25°C/	70% RH	
			Parameter	Standard	Test Level / Note	
Electron		nagnetic	Conducted	EN55032(CISPR32), FCC Part 15B	Class B	
	compatible	0	Radiated	EN55032(CISPR32), FCC Part 15B	Class B	
	oompation		Harmonic Current	EN61000-3-2	Class A	
			Voltage Flicker	EN61000-3-3		
Electroma			EN5	5035, EN61000-6-2, EN6120	4–3	
gnetic			Parameter	Standard	Test Level /Note	
compatible			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria A	
			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A	
	Electron	0	EFT/Burest	EN61000-4-4	Level 3, criteria A	
	compatibility immunity	ty immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria	
		Conducted	EN61000-4-6	Level 3, criteria A		
			Magnetic Field	EN61000-4-8	Level 4, criteria A	
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
	Safety S	tandards		EC/EN60950、60065、62368		
		СВ				
		CE+LVD		•		
		BIS		•		
	Safety type	UL/CUL		•		
	"●"Indicates	GS		O		
	that it is	PSE		•		
	currently	PSB		Ø		
	certified,	CCC		•		
Safety	"©"Indicates	RCM		O		
	that the	BSMI		Ø		
	applicant meet	IRAM		•		
	the certifica-	KC		•		
	tion require-	SABS		0		
	ment but not	SASO		0		
		EAC		0		
		B-MARK		0		
		SII				
	, 4 <b>-</b>	BR	~ 4		°C)	
Other	MT		≥100K hrs. MIL-HDBK-217F (25°C)			
Remark	<ol> <li>Ripple and noise</li> <li>Accuracy: include</li> </ol>	and parameters sha measurement metho s setting error, linea v adapter is an indep	d: capacitance of 0.1uF and 47uF in para r adjustment rate and load adjustment ra	56.3*42.7*28.3mm ated load and ambient temperature of 25°C allel at the terminal and the measurement i te. still needs to be confirmed in co nnection	is performed under the 20MHZ bandw	

### 12W Wall Mount Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/overload/overvoltage
- RoHS、Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The F12L46 series model is a wall-mounted power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video (IEC60950, IEC60065, IEC62368). It uses 12W shell, and 24# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 4KV. EMC is designed with Y-cap.

	MODEL	F12L46-120100SP		
	DC Voltage	12V		
	Rated Current	1A		
	Current Range	0 ~ 1A		
	Rated Power	12W		
	Ripple & Noise (max.)remark 2	120mVp-p		
Output	Voltage regulation rage	11.4 ~ 12.6V		
	Voltage accuracy remark 3	±5.0%		
	linear adjustment rate	±1.0%		
	Load STability	±3.0%		
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)		
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)		
	Voltage range	$90 \sim 264$ VAC(277VAC accessible, compatible with 300VAC in India high		
	Frequency range	47 ~ 63Hz		
	Stand-by power consumption	100mW		
Input	Efficiency(Typ.)	82.96%		
	AC current(Typ.)	0.3A max @100 ~ 240Vac		
	(Typ.) Surge(Typ.) current	COLD START 30A/100Vac 40A/240Vac		
		110~145% rated output power		
Protection	Overload	Hiccup mode: output voltage < 50%, recovers automatically after fault condition is removed.Constant current mode: output 50% <voltage 100%,<br="" <="">recovers automatically after fault condition is removed.</voltage>		
	Overvoltage	16 ~ 24V		
	0.0.000030	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping		



	MODEL			F12L46-120100SP		
	Working	g TEMP	0 ~ +40°C (45°C can work)			
	Working	Humidity	20 ~ 95% RH, non-condensing			
	Storage Tem	p.& humidity	-20 ~ +75°C, 20 ~ 95% RH, non-condensing			
Environment	Temperature coefficient		±0.03%/°C (0 ~ 50°C)			
Linnonment	Vibration	resistance	10 ~ 500Hz, 1G 10min/cycle, X, Y, Z 30min for each			
	Operating altitude		5000m			
	Withstand vo	ltage(Hi-Pot)		I/P-O/P:3KVAC		
	Insulation	resistance		100M Ohms / 500VDC / 25°C/		
			Parameter	Standard	Test Level / Note	
	Electron	nagnetic	Conducted	EN55032(CISPR32), FCC Part 15B	Class B	
	compatible	e emission	Radiated	EN55032(CISPR32), FCC Part 15B	Class B	
			Harmonic Current	EN61000-3-2	Class A	
			Voltage Flicker	EN61000-3-3		
Electroma			EN5	5035, EN61000-6-2, EN6120	4-3	
gnetic			Parameter	Standard	Test Level /Note	
compatible			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria	
	_		Radiated Susceptibility	EN61000-4-3	Level 3, criteria A	
	Electron	0	EFT/Burest	EN61000-4-4	Level 3, criteria A	
	compatibility im	ty immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria	
			Conducted	EN61000-4-6	Level 3, criteria A	
			Magnetic Field	EN61000-4-8	Level 4, criteria A	
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
	Safety S	tandards	1	EC/EN60950、60065、62368		
		СВ		•		
		CE+LVD		•		
		BIS		•		
	Safety type	UL/CUL		•		
	"●"Indicates	GS		Ø		
	that it is	PSE		•		
	currently	PSB	$\odot$			
0.1.1	certified,	CCC		•		
Safety	"©"Indicates	RCM		Ø		
	that the	BSMI		0		
	applicant meet the certifica-	IRAM	•			
	tion require-	KC	•			
	ment but not	SABS		0		
		SASO		0		
		B-MARK SII		0		
		BR		0		
	N/T					
Other	MTBF         ≥100K hrs. MIL-HDBK-217F (25℃)           Size(W*H*D)         52.8*28.5*56.5mm					
Remark	<ol> <li>All specifications</li> <li>Ripple and noise</li> <li>Accuracy: include</li> </ol>	and parameters sha measurement metho is setting error, linea v adapter is an indep	d: capacitance of 0.1uF and 47uF in par r adjustment rate and load adjustment ra	ated load and ambient temperature of 25°C allel at the terminal and the measurement i	is performed under the 20MHZ bandw	

### 18W Wall Mount Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/overload/overvoltage
- RoHS、Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The F18L16 series model is a wall-mounted power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video (IEC60950、IEC60065、IEC62368). It uses 18W shell, and 24# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 4KV. EMC is designed with Y-cap.

	MODEL	F18L16-120150SP		
	DC Voltage	12V		
	Rated Current	1.5A		
	Current Range	0 ~ 1.5A		
	Rated Power	18W		
	Ripple & Noise (max.)remark 2	120mVp-p		
Output	Voltage regulation rage	11.4 ~ 12.6V		
	Voltage accuracy remark 3	±5.0%		
	linear adjustment rate	±1.0%		
	Load STability	±3.0%		
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)		
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)		
	Voltage range	90 ~ 264VAC(277VAC accessible, compatible with 300VAC in India high		
	Frequency range	47 ~ 63Hz		
	Stand-by power consumption	100mW		
Input	Efficiency(Typ.)	85%		
	AC current(Typ.)	0.6A max @100 ~ 240Vac		
	(Typ.) Surge(Typ.) current	COLD START 30A/100Vac 40A/240Vac		
		110~145% rated output power		
Protection	Overload	Hiccup mode: output voltage < 50%, recovers automatically after fault condition is removed.Constant current mode: output 50% <voltage 100%,<br="" <="">recovers automatically after fault condition is removed.</voltage>		
	Overvoltage	18 ~ 24V		
	e tet tontage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping		



	MODEL			F18L16-120150SP			
	Working	g TEMP		0 ~ +40℃ (45℃ can work)			
	Working	Humidity	2	20 ~ 95% RH, non-condensing	I		
	Storage Tem	p.& humidity	-20 ~ +75°C, 20 ~ 95% RH, non-condensing				
Environment	Temperature	e coefficient	±0.03%/°C (0 ~ 50°C)				
	Vibration I	resistance	10 ~ 500Hz, 1G 10min/cycle, X, Y, Z 30min for each				
	Operating altitude		5000m				
	Withstand voltage(Hi-Pot)			I/P-O/P:3KVAC			
	Insulation	resistance	I/P-O/P:	100M Ohms / 500VDC / 25°C/	70% RH		
			Parameter	Standard	Test Level / Note		
	Electron	nagnetic	Conducted	EN55032(CISPR32), FCC Part 15B	Class B		
	compatible	0	Radiated	EN55032(CISPR32), FCC Part 15B	Class B		
	compatible	0111001011	Harmonic Current	EN61000-3-2	Class A		
			Voltage Flicker	EN61000-3-3			
Electroma			EN5	5035, EN61000-6-2, EN6120	4–3		
gnetic			Parameter	Standard	Test Level /Note		
compatible			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria A		
			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A		
	Electron	0	EFT/Burest	EN61000-4-4	Level 3, criteria A		
	compatibility immunity		Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria		
			Conducted	EN61000-4-6	Level 3, criteria A		
			Magnetic Field	EN61000-4-8	Level 4, criteria A		
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods,		
	Safety S	tandards		EC/EN60950、60065、62368	>95% interruptions 250 periods		
	ourory o	CB		•			
		CE+LVD					
		BIS		0			
	Safety type	UL/CUL		•			
	"●"Indicates	GS		O			
	that it is	PSE	©				
	currently	PSB		Ø			
	certified,	CCC		•			
Safety	"©"Indicates	RCM		Ø			
	that the	BSMI		Ø			
	applicant meet	IRAM		Ø			
	the certifica-	KC		Ø			
	tion require-	SABS		Ø			
	ment but not	SASO		O			
		EAC		O			
		B-MARK		O			
		SII	O				
		BR		O			
Othor	MT	BF	≥1	00K hrs. MIL-HDBK-217F (25	C)		
Other	Size(W	(*H*D)		68*42*28mm			
Remark	<ol> <li>Ripple and noise</li> <li>Accuracy: include</li> </ol>	measurement metho s setting error, linea adapter is an indep	d: capacitance of 0.1uF and 47uF in para r adjustment rate and load adjustment ra	ated load and ambient temperature of 25°C allel at the terminal and the measurement i te. still needs to be confirmed in co nnection	s performed under the 20MHZ bandw		

### 24W Wall Mount Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/overload/overvoltage
- RoHS, Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The F24L9/F24L15 series model is a wall-mounted power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video(IEC60950、IEC60065、IEC62368). It uses 24W shell, and 24# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 4KV. EMC is designed with Y-cap.

	MODEL	F24L9-120200SP	F24L15-120200SP	
	DC Voltage	12	V	
	Rated Current	2A		
	Current Range	0 ~ 2A		
	Rated Power	24W		
	Ripple & Noise (max.)remark 2	120m <sup>1</sup>	Vp-p	
Output	Voltage regulation rage	11.4 ~	12.6V	
	Voltage accuracy remark 3	±5.0	)%	
	linear adjustment rate	±1.0%		
	Load STability	±3.0%		
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)		
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)		
	Voltage range	oltage range 90 ~ 264VAC(277VAC accessible, compatible with 300VAC in India high		
	Frequency range	47 ~ 63Hz		
	Stand-by power consumption	100r	mW	
Input	Efficiency(Typ.)	86.2	2%	
	AC current(Typ.)	0.6A max @1	00 ~ 240Vac	
	(Typ.) Surge(Typ.) current	COLD START	30A/100Vac	
		110~145% rate	d output power	
Protection	Overload	Hiccup mode: output voltage < 50%, recovers automatically after fault condition is removed.Constant current mode: output 50% <voltage 100%,<br="" <="">recovers automatically after fault condition is removed.</voltage>		
	Overvoltage	18 ~	24V	
	0.0.0000000	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping		



	MODEL		F24L9-120200	SP	F24	4L15-120200SP
	Working	g TEMP		0 ~ +40°C (4	5℃ can work)	
	Working	Humidity	20 ~ 95% RH, non-condensing			
	Storage Temp.& humidity		-20 ~ +	75℃, 20 ~ 95%	6 RH, non-cond	lensing
Environment	Temperature	e coefficient	±0.03%/°C (0 ~ 50°C)			
Linnonn	Vibration I	resistance	10 ~ 500Hz	, 1G 10min/cyd	cle, X, Y, Z 30m	in for each
	Operating altitude			500	)0m	
	Withstand vo	ltage(Hi-Pot)		I/P-O/P:3KVAC		
	Insulation	resistance	I/P-O/P:	100M Ohms / 5	500VDC / 25°C/	70% RH
			Parameter	Star	dard	Test Level / Note
			Conducted	EN55032(CISPR	32), FCC Part 15B	Class B
	Electron	0	Radiated	EN55032(CISPR	32), FCC Part 15B	Class B
	compatible	e emission	Harmonic Current	EN610	00-3-2	Class A
			Voltage Flicker	EN610	00-3-3	
			EN5	5035. EN6100	0-6-2, EN6120	4–3
Electroma			Parameter		dard	Test Level /Note
gnetic						Level 3, 15KV air; Level 2,
compatible			ESD		00-4-2	8KV contact, criteria A
oompatiblo	Electron	nagnetic	Radiated Susceptibility		00-4-3	Level 3, criteria A
		ty immunity	EFT/Burest	EN610	00-4-4	Level 3, criteria A
	,,		Surge	EN610	00-4-5	Level 4, 4KV/L-N, criteria
			Conducted	EN610	00-4-6	Level 3, criteria A
			Magnetic Field	EN610	00-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN6100	0-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods
	Safety S	tandards		IEC/EN60950、	60065、62368	
		СВ	•			•
		CE+LVD	•			•
		BIS	Ø			Ø
	Osfatutura	UL/CUL	•			•
	Safety type	GS	•			•
	"●"Indicates that it is	PSE	Ø			O
		PSB	Ø			Ø
	currently certified,	CCC	Ø			Ø
Safety	"©"Indicates	RCM	Ø			Ø
	that the	BSMI	Ø			Ø
	applicant meet	IRAM	Ø			Ø
	the certifica-	KC	•			•
	tion require-	SABS	Ø		©	
	ment but not	SASO	Ø			Ø
		EAC	Ø			Ø
		B-MARK	Ø			Ø
		SII	Ø			Ø
		BR	Ø			Ø
	MT	BF	≥1	00K hrs. MIL-H	HDBK-217F (25°	°C)
Other	尺寸(W	/*H*D)		73.5*50	.4*33mm	
Remark	<ol> <li>Ripple and noise</li> <li>Accuracy: include</li> </ol>	measurement metho is setting error, linea v adapter is an indep	II be measured at the input of 230VAC, ra od: capacitance of 0.1uF and 47uF in para r adjustment rate and load adjustment ra vendent component, but the final adapter	allel at the terminal a te.	nd the measurement i	s performed under the 20MHZ bandw

### 24W Wall Mount Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/overload/overvoltage
- RoHS, Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The FC24A01 series model is a wall-mounted power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video(IEC60950、IEC60065、IEC62368). It uses 24W shell, and 24# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 4KV. EMC is designed with Y-cap.

	MODEL	FC024A01-120020E
	DC Voltage	12V
	Rated Current	2A
	Current Range	0 ~ 2A
	Rated Power	24W
	Ripple & Noise (max.)remark 2	120mVp-p
Output	Voltage regulation rage	11.4 ~ 12.6V
output	Voltage accuracy remark 3	±5.0%
	linear adjustment rate	±1.0%
	Load STability	±3.0%
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)
	Voltage range	90 ~ 264VAC(277VAC accessible, compatible with 300VAC in India high
	Frequency range	47 ~ 63Hz
Input	Stand-by power consumption	100mW
nipat	Efficiency(Typ.)	86.2%
	AC current(Typ.	0.6A max @100 ~ 240Vac
	(Typ.) Surge(Typ.) current	COLD START 30A/100Vac
	Overvoltage	22V max
Protection	Overvortage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping



	MODEL			FC024A01-120020E		
	Working	g TEMP	0 ~ +40°C(45°C can work)			
	Working	Humidity	20 ~ 95% RH, non-condensing			
	Storage Temp.& humidity		-20 ~ +75°C, 20 ~ 95% RH, non-condensing			
Environment	Temperature coefficient		±0.03%/°C (0 ~ 50°C)			
	Vibration	resistance	10 ~ 500Hz	, 1G 10min/cycle, X, Y, Z 30m	in for each	
	Operating altitude			5000m		
	Withstand vo	ltage(Hi-Pot)		I/P-O/P:3KVAC		
	Insulation	resistance	I/P-O/P:	100M Ohms / 500VDC / 25°C/	70% RH	
			Parameter	Standard	Test Level / Note	
	Electron	nagnetic	Conducted	EN55032(CISPR32), FCC Part 15B	Class B	
	compatible	0	Radiated	EN55032(CISPR32), FCC Part 15B	Class B	
	compatible	6111331011	Harmonic Current	EN61000-3-2	Class A	
			Voltage Flicker	EN61000-3-3		
			EN5	5035, EN61000-6-2, EN6120	4–3	
Electroma			Parameter	Standard	Test Level /Note	
gnetic			ESD	EN61000-4-2	Level 3, 15KV air; Level 2,	
compatible			Radiated Susceptibility	EN61000-4-3	8KV contact, criteria A Level 3, criteria A	
	Electron	nagnetic				
	compatibility immunity	ty immunity	EFT/Burest	EN61000-4-4	Level 3, criteria A	
			Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria	
			Conducted	EN61000-4-6	Level 3, criteria A	
			Magnetic Field	EN61000-4-8	Level 4, criteria A	
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
	Safety S	tandards		IEC/EN60950、60065、62368		
	CB		©			
		CE+LVD		Ø		
		BIS		Ø		
	Safety type	UL/CUL		Ø		
	"●"Indicates	GS	Ø			
	that it is	PSE	Ø			
	currently	PSB		O		
	certified,	CCC		O		
Safety	"©"Indicates	RCM		Ø		
	that the	BSMI		Ø		
	applicant meet	IRAM		Ø		
	the certifica-	KC		Ø		
	tion require-	SABS		Ø		
	ment but not	SASO		Ø		
		EAC		Ø		
		B-MARK		0		
		SII		0		
		BR		O		
Other	MT		≥1	00K hrs. MIL-HDBK-217F (25	°C)	
Other	尺寸(W	/*H*D)		70*41*48.2mm		
Remark	<ol> <li>All specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified.</li> <li>Ripple and noise measurement method: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwidth</li> <li>Accuracy: includes setting error, linear adjustment rate and load adjustment rate.</li> <li>The power supply adapter is an independent component, but the final adapter still needs to be confirmed in connection with the electromagnetic compatibility of the terminal equipment.</li> </ol>					

### 30W Wall Mount Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/Overload/Overvoltage • RoHS, Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The F30L7 series model is a wall-mounted power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video(IEC60950、IEC60065、IEC62368). It uses 30W shell, and 22# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 4KV. EMC is designed with Y-cap.

	MODEL	F30L7-120250SP
	DC Voltage	12V
	Rated Current	2.5A
	Current Range	0 ~ 2.5A
	Rated Power	30W
	Ripple & Noise (max.)remark 2	120mVp-p
Output	Voltage regulation rage	11.4 ~ 12.6V
	Voltage accuracy remark 3	±5.0%
	linear adjustment rate	±1.0%
	Load STability	±3.0%
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)
	Voltage range	90 ~ 264VAC(277VAC accessible, compatible with 300VAC in India high
	Frequency range	47 ~ 63Hz
	Stand-by power consumption	100mW
Input	Efficiency(Typ.)	86.95%
	AC current(Typ.)	0.8A max @100 ~ 240Vac
	(Typ.) Surge(Typ.) current	COLD START 30A/100Vac 40A/240Vac
		110~145% rated output power
Protection	Overload	Hiccup mode: output voltage < 50%, recovers automatically after fault condition is removed.Constant current mode: output 50% <voltage 100%,="" <="" after="" automatically="" condition="" fault="" is="" recovers="" removed.<="" td=""></voltage>
	Overvoltage	18 ~ 24V
	e ren ontago	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping



	MODEL			F30L7-120250SP		
	Working	g TEMP	0 ~ +40°C (45°C can work)			
	Working Humidity		20 ~ 95% RH, non-condensing			
	Storage Tem	p.& humidity	-20 ~ +75°C, 20 ~ 95% RH, non-condensing			
Environment	Temperature coefficient			±0.03%/°C (0 ~ 50°C)		
	Vibration	resistance	10 ~ 500Hz	, 1G 10min/cycle, X, Y, Z 30m	in for each	
	Operating altitude			5000m		
Withstand v		ltage(Hi-Pot)		I/P-O/P:3KVAC		
	Insulation	resistance	I/P-O/P:	100M Ohms / 500VDC / 25°C/		
			Parameter	Standard	Test Level / Note	
	Electron	nagnetic	Conducted	EN55032(CISPR32), FCC Part 15B	Class B	
		e emission	Radiated	EN55032(CISPR32), FCC Part 15B	Class B	
			Harmonic Current	EN61000-3-2	Class A	
			Voltage Flicker	EN61000-3-3		
Electroma			EN5	5035, EN61000-6-2, EN6120	4–3	
gnetic			Parameter	Standard	Test Level /Note	
compatible			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria A	
			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A	
		nagnetic	EFT/Burest	EN61000-4-4	Level 3, criteria A	
	compatibility immunity	ty immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria	
		Conducted	EN61000-4-6	Level 3, criteria A		
			Magnetic Field	EN61000-4-8	Level 4, criteria A	
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
	Safety S	tandards	1	EC/EN60950、60065、62368		
	1	СВ		•		
		CE+LVD		Ø		
		BIS		•		
	Safety type	UL/CUL		•		
	"●"Indicates	GS		Ø		
	that it is	PSE		Ø		
	currently	PSB	Ø			
	certified,	CCC		O		
Safety	"O"Indicates	RCM		O		
	that the	BSMI		Ø		
	applicant meet	IRAM		Ø		
	the certifica-	KC		0		
	tion require- ment but not	SABS		0		
	ment but not	SASO		0		
		EAC		0		
		B-MARK SII		0		
		BR		0		
	147		~ 4			
Other	MT Size(W		≥	00K hrs. MIL-HDBK-217F (25)	0)	
Remark	<ol> <li>All specifications</li> <li>Ripple and noise</li> <li>Accuracy: include</li> </ol>	and parameters sha measurement metho is setting error, linea	86.5*53*37.5mm Il be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified. vd: capacitance of 0.1 uF and 47 uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwidth r adjustment rate and load adjustment rate. rendent component, but the final adapter still needs to be confirmed in co nnection with the electromagnetic compatibility of			

### 30W Wall Mount Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/Overload/Overvoltage
- RoHS、Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The F30L10 series model is a wall-mounted power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video(IEC60950、IEC60065、IEC62368). It uses 30W shell, and 22# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 4KV. EMC is designed with Y-cap.

	MODEL	F30L10-120250SP
	DC Voltage	12V
	Rated Current	2.5A
	Current Range	0 ~ 2.5A
	Rated Power	30W
	Ripple & Noise (max.)remark 2	120mVp-p
Output	Voltage regulation rage	11.4 ~ 12.6V
	Voltage accuracy remark 3	±5.0%
	linear adjustment rate	±1.0%
	Load STability	±3.0%
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)
	Voltage range	90 ~ 264VAC(277VAC accessible, compatible with 300VAC in India high
	Frequency range	47 ~ 63Hz
	Stand-by power consumption	100mW
Input	Efficiency(Typ.)	86.95%
	AC current(Typ.)	0.8A max @100 ~ 240Vac
	(Typ.) Surge(Typ.) current	COLD START 30A/100Vac 40A/240Vac
		110~145% rated output power
Protection	Overload	Hiccup mode: output voltage < 50%, recovers automatically after fault condition is removed.Constant current mode: output 50% <voltage 100%,<br="" <="">recovers automatically after fault condition is removed.</voltage>
	Overvoltage	18 ~ 24V
	0.0.000030	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping



	MODEL		F30L10-120250SP			
	Working	J TEMP	0 ~ +40°C (45°C can work)			
	Working	Humidity	2	20 ~ 95% RH, non-condensing	I	
	Storage Tem	p.& humidity	-20 ~ +75°C, 20 ~ 95% RH, non-condensing			
Environment	Temperature	e coefficient	±0.03%/°C (0 ~ 50°C)			
Linnonnent	Vibration r	resistance	10 ~ 500Hz, 1G 10min/cycle, X, Y, Z 30min for each			
	Operating	g altitude		5000m		
	Withstand vol	tage(Hi-Pot)	I/P-O/P:3KVAC			
	Insulation (	resistance	I/P-O/P:	100M Ohms / 500VDC / 25°C/	70% RH	
			Parameter	Standard	Test Level / Note	
	Electrom	agnetic	Conducted	EN55032(CISPR32), FCC Part 15B	Class B	
	compatible	0	Radiated	EN55032(CISPR32), FCC Part 15B	Class B	
	compatible	emission	Harmonic Current	EN61000-3-2	Class A	
			Voltage Flicker	EN61000-3-3		
Electroma			EN5	5035, EN61000-6-2, EN6120	4–3	
			Parameter	Standard	Test Level /Note	
gnetic			ESD	EN61000-4-2	Level 3, 15KV air;	
compatible					Level 2, 8KV contact, criteria A	
	Electrom	agnetic	Radiated Susceptibility	EN61000-4-3	Level 3, criteria A	
	compatibilit	y immunity	EFT/Burest	EN61000-4-4	Level 3, criteria A	
	,		Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria A	
			Conducted	EN61000-4-6	Level 3, criteria A	
			Magnetic Field	EN61000-4-8	Level 4, criteria A	
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
	Safety St	andards	IEC/EN60950、60065、62368			
		CB		•		
		CE+LVD		•		
		BIS		Ø		
		UL/CUL	$\odot$			
	"●"Indicates	GS	0			
	that it is	PSE	Ø			
	currently	PSB		Ø		
	certified,	CCC		Ø		
Safety	"©"Indicates	RCM		Ø		
	that the	BSMI		Ø		
	applicant meet	IRAM		Ø		
	the certifica-	KC		Ø		
	tion require-	SABS		Ø		
	ment but not	SASO		0		
		EAC		0		
		B-MARK		0		
		SII		0		
		BR		0		
Other	MT		≥1	00K hrs. MIL-HDBK-217F (25	C)	
Othor	Size(W	*H*D)		73.5*50.4*33mm		
Remark	<ol> <li>All specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified.</li> <li>Ripple and noise measurement method: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwidth.</li> <li>Accuracy: includes setting error, linear adjustment rate and load adjustment rate.</li> <li>The power supply adapter is an independent component, but the final adapter still needs to be confirmed in connection with the electromagnetic compatibility of the terminal equipment.</li> </ol>					

### 36W Wall Mount Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/Overload/Overvoltage
- RoHS、Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The F36L6 series model is a wall-mounted power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video(IEC60950、IEC60065、IEC62368). It uses 36W shell, and 18# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 4KV. EMC is designed with Y-cap.

	MODEL	F36L6-120300SP
	DC Voltage	12V
	Rated Current	ЗА
	Current Range	0 ~ 3A
	Rated Power	36W
	Ripple & Noise (max.)remark 2	120mVp-p
Output	Voltage regulation rage	11.4 ~ 12.6V
	Voltage accuracy remark 3	±5.0%
	linear adjustment rate	±1.0%
	Load STability	±3.0%
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)
	Voltage range	$90 \sim 264 \text{VAC}(277 \text{VAC} \text{ accessible}, \text{ compatible with } 300 \text{VAC} \text{ in India high}$
	Frequency range	47 ~ 63Hz
	Stand-by power consumption	100mW
Input	Efficiency(Typ.)	87.4%
	AC current(Typ.)	1.25A max @100 ~ 240Vac
	(Typ.) Surge(Typ.) current	COLD START 40A/100Vac 60A/240Vac
		110~145% rated output power
Protection	Overload	Hiccup mode: output voltage < 50%, recovers automatically after fault condition is removed.Constant current mode: output 50% <voltage 100%,="" <="" after="" automatically="" condition="" fault="" is="" recovers="" removed.<="" td=""></voltage>
	Overvoltage	18 ~ 24V
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping



	MODEL			F36L6-120300SP		
	Working	g TEMP	0 ~ +40°C (45°C can work)			
	Working	Humidity	20 ~ 95% RH, non-condensing			
	Storage Tem	p.& humidity	-20 ~ +75°C, 20 ~ 95% RH, non-condensing			
Environment	Temperature coefficient		±0.03%/°C (0 ~ 50°C)			
	Vibration	resistance	10 ~ 500Hz, 1G 10min/cycle, X, Y, Z 30min for each			
	Operating	g altitude		5000m		
	Withstand vo	ltage(Hi-Pot)		I/P-O/P:3KVAC		
	Insulation	resistance	I/P-O/P:	100M Ohms / 500VDC / 25°C/	70% RH	
			Parameter	Standard	Test Level / Note	
	Electron	nagnetic	Conducted	EN55032(CISPR32), FCC Part 15B	Class B	
		e emission	Radiated	EN55032(CISPR32), FCC Part 15B	Class B	
	compatible	9 6111221011	Harmonic Current	EN61000-3-2	Class A	
			Voltage Flicker	EN61000-3-3		
Electroma			EN5	5035, EN61000-6-2, EN6120	4–3	
gnetic			Parameter	Standard	Test Level /Note	
compatible			ESD	EN61000-4-2	Level 3, 15KV air;	
compatible					Level 2, 8KV contact, criteria	
	Electron	nagnetic	Radiated Susceptibility	EN61000-4-3	Level 3, criteria A	
	compatibili	ty immunity	EFT/Burest	EN61000-4-4	Level 3, criteria A	
			Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria	
			Conducted	EN61000-4-6	Level 3, criteria A	
			Magnetic Field	EN61000-4-8	Level 4, criteria A	
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
	Safety S	tandards	I	EC/EN60950、60065、62368		
	СВ		•			
		CE+LVD		•		
		BIS		Ø		
	Safety type	UL/CUL		Ø		
	"●"Indicates	GS		Ø		
	that it is	PSE		Ø		
	currently	PSB	0			
0.6.4	certified,	CCC		Ø		
Safety	"©"Indicates	RCM		Ø		
	that the	BSMI		O		
	applicant meet	IRAM		O		
	the certifica-	KC		0		
	tion require- ment but not	SABS		0		
	ment but not	SASO		0		
		EAC		0		
		B-MARK		©		
		SII				
		BR				
Other	MT		≥1	00K hrs. MIL-HDBK-217F (25	C)	
	Size(W			73.5*50.4*33mm		
Remark	<ol> <li>Ripple and noise</li> <li>Accuracy: include</li> </ol>	measurement metho is setting error, linea v adapter is an indep	rs shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified. method: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwidth ; linear adjustment rate and load adjustment rate. independent component, but the final adapter still needs to be confirmed in co nnection with the electromagnetic compatibility of			

### 36W Wall Mount Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/Overload/Overvoltage
- RoHS、Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The FC036P01 series model is a wall-mounted power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video(IEC60950、IEC60065、IEC62368). It uses 36W shell, and 18# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 4KV. EMC is designed with Y-cap.

	MODEL	FC036P01-150024E
	DC Voltage	15V
	Rated Current	2.4A
	Current Range	0 ~ 2.4A
	Rated Power	36W
	Ripple & Noise (max.)remark 2	150mVp-p
Output	Voltage regulation rage	14.25 ~ 15.75V
	Voltage accuracy remark 3	±5.0%
	linear adjustment rate	±2.0%
	Load STability	±5.0%
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)
	Voltage range	$90 \sim 264 \text{VAC}(277 \text{VAC} \text{ accessible}, \text{ compatible with } 300 \text{VAC} \text{ in India high}$
	Frequency range	47 ~ 63Hz
Input	Stand-by power consumption	100mW
	Efficiency(Typ.)	87.4%
	AC current(Typ.)	1.25A max @100~240Vac
	(Typ.) Surge(Typ.) current	No damage
	Overload	3.3 ~ 3.9A
Protection	Overvoltage	20V max
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping



	MODEL		FC036P01-150024E				
	Working	g TEMP	0 ~ +40°C (45°C can work)				
	Working	Humidity	20 ~ 95% RH, non-condensing				
	Storage Tem	p.& humidity	-20 ~ +75°C, 20 ~ 95% RH, non-condensing				
Environment	Temperature coefficient		±0.03%/°C (0 ~ 50°C)				
	Vibration	resistance	10 ~ 500Hz	, 1G 10min/cycle, X, Y, Z 30m	in for each		
	Operating	g altitude	5000m				
	Withstand voltage(Hi-Pot) Insulation resistance			I/P-O/P:3KVAC			
	Insulation	resistance	I/P-O/P:	100M Ohms / 500VDC / 25°C/			
			Parameter	Standard	Test Level / Note		
	Electron	nagnetic	Conducted	EN55032(CISPR32), FCC Part 15B	Class B		
	compatible	0	Radiated	EN55032(CISPR32), FCC Part 15B	Class B		
			Harmonic Current	EN61000-3-2	Class A		
			Voltage Flicker	EN61000-3-3			
Electroma			EN5	5035, EN61000-6-2, EN6120	4–3		
gnetic			Parameter	Standard	Test Level /Note		
compatible			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria A		
	_		Radiated Susceptibility	EN61000-4-3	Level 3, criteria A		
	Electron	0	EFT/Burest	EN61000-4-4	Level 3, criteria A		
	compatibility immunity	ty immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria		
			Conducted	EN61000-4-6	Level 3, criteria A		
			Magnetic Field	EN61000-4-8	Level 4, criteria A		
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
	Safety S	tandards	l	EC/EN60950、60065、62368			
	,	СВ		O			
		CE+LVD		Ø			
		BIS		Ø			
	Safety type	UL/CUL		O			
	"●"Indicates	GS		Ø			
	that it is	PSE	Ø				
	currently	PSB	Ø				
Cofot	certified,	CCC		O			
Safety	"©"Indicates	RCM		O			
	that the	BSMI		0			
	applicant meet the certifica-	IRAM		0			
	tion require-	KC SABS		0			
	ment but not	SABS		0			
		EAC		0			
		B-MARK		0			
		SII		0			
		BR		O			
	MT		≥100K hrs. MIL–HDBK–217F (25℃)				
Other	Size(W			73.5*50.4*33mm			
Remark	<ol> <li>All specifications</li> <li>Ripple and noise</li> <li>Accuracy: include</li> </ol>	and parameters sha measurement metho s setting error, linea v adapter is an indep	rameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified. rement method: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwidth. ng error, linear adjustment rate and load adjustment rate. er is an independent component, but the final adapter still needs to be confirmed in co nnection with the electromagnetic compatibility of				

### 36W PD Power Supply Adapter

#### Features:

- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,PPS,QC,FCP,SCP
- Protections: Short circuit/Overload/ Overvoltage/OverTemperature
- RoHS, Reach compliance

#### Application:

- Mobile Phone
- Tablet、NoteBook
- Digital Product

#### Description:

The FC036X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,FCP,QC,SCP and other protocols, enabling quick charging of mobile phones and tablet products.

	Model	FC036P01-050030E		
	Voltage	5V/3A 9V/3A 12V/3A		
	Protocol	PD3.0 / PPS / FCP / SCP / QC2.0 / QC3.0		
Output	Rated Power	36W		
output	Ripple&Noise(pk-pk)	300mVp-p		
	Start and Rise time	3000ms, 80ms/230VAC		
	Voltage range	90 ~ 264VAC		
	Frequency range	47 ~ 63Hz		
loout	Standby Power Consumption	75mW		
Input	Efficiency(Typ.)	88%		
	Input current(Typ.)	1.8A max @100~240Vac		
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac		
	Quark and	140% max of rated output current		
Protection	OverLoad	Recovers automatically after fault condition is removed		
Protection	0	27Vmax		
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping		
	Operating Temperature	0~ +40°C		
	Operating Humidity	20 ~ 85% RH, non-condensing		
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing		
	Temperature coefficiency	±0.03%/°C (0~ 40°C)		
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each		
	Altitude	2000m		
	Withstande voltage	I/P-O/P:3KVAC		
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH		



	MODEL			FC036P01-050030E		
			Parameter	Standard	Test Level / Note	
	Electromagnetic compatible emission		Conducted EN55032(CISPR32), FCC Part 15B		Class B	
			Radiated EN55032(CISPR32), FCC Part 15B		Class B	
			Harmonic Current EN61000-3-2		Class A	
			Voltage Flicker EN61000-3-3			
			EN5	5035, EN61000–6–2, EN6120	4–3	
Electroma			Parameter	Standard	Test Level /Note	
gnetic			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria	
compatible			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A	
	Electron	nagnetic	EFT/Burest	EN61000-4-4	Level 3, criteria A	
	compatibili	ty immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteri	
			Conducted	EN61000-4-6	Level 3, criteria A	
			Magnetic Field	EN61000-4-8	Level 4, criteria A	
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 period	
	Safety S	tandards	I	EC/EN60950、60065、62368		
		СВ	Ø			
		CE+LVD	Ø			
		BIS	©			
		UL/CUL	0			
	Safety type	GS		Ø		
	"●"Indicates	PSE		Ø		
	that it is	PSB				
Safety	currently certified,	CCC				
Curoty	"©"Indicates	RCM BSMI	0			
	that the	IRAM		Ø		
	applicant meet	KC		Ø		
	tion require-	SABS		Ø		
	ment but not	SASO		Ø		
		EAC		Ø		
		B-MARK		Ø		
		SII		Ø		
		BR		Ø		
Other	MT	BF	≥1	00K hrs. MIL-HDBK-217F (25	°C)	
Ction	Size(W	/*H*D)		33*69*73.5mm		
Remark	<ol> <li>Ripple and noise i</li> <li>Accuracy: include</li> </ol>	measurement metho s setting error, linear adapter is an indep	shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified. ethod: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwidth near adjustment rate and load adjustment rate. dependent component, but the final adapter still needs to be confirmed in co nnection with the electromagnetic compatibility of			

### 42W Wall Mount Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/Overload/Overvoltage
- RoHS、Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The F42L1/FC040A01 series model is a wall-mounted power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video(IEC60950、IEC60065、IEC62368). This design is the miniaturization scheme of 42W, which uses 30W shell and 18# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 6KV. EMC is designed with Y and No Y-cap.

	MODEL	F42L1-120350SP	FC040A01-200020U	
	DC Voltage	12V	20V	
	Rated Current	3.5A	2A	
	Current Range	0 ~ 3.5A	0 ~ 2A	
	Rated Power	42W	40W	
	Ripple & Noise (max.)remark 2	120mVp-p	200mVp-p	
Output	Voltage regulation rage	11.4 ~ 12.6V	19 ~ 21V	
	Voltage accuracy remark 3	±5.0%	±5.0%	
	linear adjustment rate	±1.0%	±1.0%	
	Load STability	±3.0%	±3.0%	
	Start and rise time	2000ms, 80ms/230VAC 3000	0ms, 80ms/115VAC(Full load)	
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)		
	Voltage range	90 ~ 264VAC(277VAC accessible, co	ompatible with 300VAC in India high	
	Frequency range	47 ~	63Hz	
	Stand-by power consumption	100mW	100mW	
Input	Efficiency(Typ.)	87.66%	87.59%	
·	AC current(Typ.)	1.4A max @	100~240Vac	
	(Typ.) Surge(Typ.) current	COLD START 60A/100Vac 100A/240Vac	COLD START 60A/100Vac 80A/240Vac	
		110~145% rate	d output power	
Protection	Overload	Hiccup mode: output voltage<50 fault condition is removed.Constant curre recovers automatically after	ent mode: output 50% <voltage 100%,<="" <="" td=""></voltage>	
	Overvoltage	18 ~ 24V	32V max	
	0.0	Protection Type: Turn off the output, through the	e PWM control chip built-in VDD voltage clamping	



	MODEL		F42L1-120350	SP	FCC	40A01-200020U
	Working	g TEMP	MP 0 ~ +40°C (45°C can work)			
	Working	Humidity	20 ~ 95% RH, non-condensing			
	Storage Tem	p.& humidity	-20 ~ +75°C, 20 ~ 95% RH, non-condensing			
Environment	Temperature	e coefficient		±0.03%/℃	C (0 ~ 50°C)	
	Vibration I	resistance	10 ~ 500Hz	, 1G 10min/cy	cle, X, Y, Z 30m	in for each
	Operating	g altitude		50	00m	
	Withstand vo	ltage(Hi–Pot)		I/P-0/F	P:3KVAC	
	Insulation	resistance	I/P-O/P:	100M Ohms /	500VDC / 25°C/	70% RH
			Parameter	Star	ndard	Test Level / Note
	Electron	nagnetic	Conducted	EN55032(CISPR	32), FCC Part 15B	Class B
	compatible	0	Radiated	EN55032(CISPR	32), FCC Part 15B	Class B
	compatible	6111331011	Harmonic Current	EN610	00-3-2	Class A
			Voltage Flicker	EN610	00-3-3	
			EN5	5035, EN6100	0–6–2, EN6120	4–3
Electroma			Parameter	Star	ndard	Test Level /Note
gnetic			ESD	EN610	00-4-2	Level 3, 15KV air;
compatible			Radiated Susceptibility		00-4-3	Level 2, 8KV contact, criteria A Level 3, criteria A
	Electron	nagnetic	EFT/Burest		00-4-4	Level 3, criteria A
	compatibility	ty immunity				Level 4, 4KV/L-N, criteria
			Surge		00-4-5	, . ,
			Conducted		00-4-6	Level 3, criteria A
			Magnetic Field	EN610	00–4–8	Level 4, criteria A
			Voltage Dips and interruptions	EN6100	00-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods
	Safety S	tandards		IEC/EN60950、	60065、62368	
		СВ	•			O
		CE+LVD	•			0
		BIS	Ø			Ø
	Sofoty type	UL/CUL	•			Ø
	Safety type "●"Indicates	GS	Ø			Ø
	that it is	PSE	•			O
	currently	PSB	Ø			Ø
	certified,	CCC	Ø			O
Safety	"©"Indicates	RCM	Ø			$\odot$
	that the	BSMI	Ø			$\odot$
	applicant meet	IRAM	Ø			Ø
	the certifica-	KC	Ø			Ø
	tion require-	SABS	O			O
	ment but not	SASO	Ø			Ø
		EAC	Ø			Ø
		B-MARK	0			0
		SII	0			0
		BR	Ø			Ø
Other	MT		≥1		HDBK-217F (25	°C)
	Size(W	/*H*D)		86.5*53	*37.5mm	
Remark	<ol> <li>All specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified.</li> <li>Ripple and noise measurement method: capacitance of 0.1 uF and 47 uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwidt</li> <li>Accuracy: includes setting error, linear adjustment rate and load adjustment rate.</li> <li>The power supply adapter is an independent component, but the final adapter still needs to be confirmed in connection with the electromagnetic compatibility of the terminal equipment.</li> </ol>					

### 45W PD Desk-Top Power Supply Adapter

#### Features:

- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,PPS,QC,FCP,SCP
- Protections: Short circuit/Overload/ Overvoltage/OverTemperature
- RoHS, Reach compliance

#### Application:

- Mobile Phone
- Tablet, NoteBook
- Digital Product

#### Description:

The FC045X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,FCP,QC,SCP,PPS and other protocols, enabling quick charging of mobile phones and tablet products.

	Model	FC045P04-200023D	
	Voltage	5V/3A 9V/3A 12V/3A 15V/3A 20V/2.25A	
	Protocol	PD3.0 / PPS / FCP / SCP / QC2.0 / QC3.0	
Output	Rated Power	45W	
output	Ripple&Noise(pk-pk)	300mVp-p	
	Start and Rise time	3000ms, 80ms/230VAC	
	Voltage range	90 ~ 264VAC	
	Frequency range	47 ~ 63Hz	
loout	Standby Power Consumption	75mW	
Input	Efficiency(Typ.)	88%	
	Input current(Typ.)	1.8A max @100~240Vac	
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac	
	OverLoad	140% max of rated output current	
Protection	OverLoad	Recovers automatically after fault condition is removed	
Protection	Quantaltana	27Vmax	
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping	
	Operating Temperature	0∼ 25℃ (40℃ is optional)	
	Operating Humidity	20 ~ 85% RH, non-condensing	
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing	
	Temperature coefficiency	±0.03%/°C (0~ 40°C)	
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each	
	Altitude	2000m	
	Withstande voltage	I/P-O/P:3KVAC	
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH	



	MODEL			FC045P04-200023D	
			Parameter	Standard	Test Level / Note
			Conducted	EN55032(CISPR32), FCC Part 15B	Class B
	Electromagnetic compatible emission		Radiated	EN55032(CISPR32), FCC Part 15B	Class B
			Harmonic Current	EN61000-3-2	Class A
			Voltage Flicker	EN61000-3-3	
			EN55035, EN61000-6-2, EN61204-3		
Electroma gnetic compatible			Parameter	Standard	Test Level /Note
			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria
			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A
	Electron	nagnetic	EFT/Burest	EN61000-4-4	Level 3, criteria A
	compatibilit	ty immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria
			Conducted	EN61000-4-6	Level 3, criteria A
			Magnetic Field	EN61000-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 period
Safet		tandards	IEC/EN60950、60065、62368		
	CB		$\odot$		
	Safety type	CE+LVD	0		
		BIS	©		
		UL/CUL	©		
		GS			
	"●"Indicates	PSE			
	that it is currently	PSB CCC	© ©		
Safety	certified,	RCM	© 		
	"©"Indicates	BSMI	©		
	that the applicant meet	IRAM		Ø	
	the certifica-	KC		Ø	
	tion require-	SABS	0		
	ment but not	SASO		Ø	
		EAC		Ø	
		B-MARK		Ø	
		SII	٥		
		BR		0	
Other	MT Size(W		≥100K hrs. MIL-HDBK-217F (25°C)		
Remark	<ol> <li>All specifications</li> <li>Ripple and noise r</li> <li>Accuracy: include</li> </ol>	and parameters sha measurement metho s setting error, linea adapter is an indep	40*28*85mm I be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified. d: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwidt adjustment rate and load adjustment rate. andent component, but the final adapter still needs to be confirmed in co nnection with the electromagnetic compatibility o		



### 48W Desk-Top Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/Overload/Overvoltage
- RoHS、Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The F48/F481 series model is a Desk-Top power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video(IEC60950、IEC60065、IEC62368). It uses 48W shell, and 18# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 6KV. EMC is designed with Y-cap.

	MODEL	F48-120400SP	F48-240190SPA	
	DC Voltage	12V	24V	
	Rated Current	4A	1.9A	
	Current Range	0 ~ 4A	0 ~ 1.9A	
	Rated Power	48W	45.6W	
	Ripple & Noise (max.)remark	120mVp-p	250mVp-p	
Output	Voltage regulation rage	11.4 ~ 12.6V	22.8 ~ 25.2V	
	Voltage accuracy remark 3	±5.0%	±5.0%	
	linear adjustment rate	±1.0%	±2.0%	
	Load STability	±3.0%	±5.0%	
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)		
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)		
	Voltage range	90 ~ 264VAC(277VAC accessible,	compatible with 300VAC in India hig	
	Frequency range	47 ~	63Hz	
	Stand-by power consumption	100mW	100mW	
Input	Efficiency(Typ.)	87.77%	87.74%	
	AC current(Typ.)	1.4A max @100~240Vac		
	(Typ.) Surge(Typ.) current	COLD START 60A/1	00Vac 100A/240Vac	
		110~145% rate	ed output power	
Protection	Overload	fault condition is removed.Constant curr	0%, recovers automatically after ent mode: output 50% <voltage 100%,<br="" <="">r fault condition is removed.</voltage>	
	Overvoltage	18 ~ 24V	40V max	
	oronologo	Protection Type: Turn off the output, through the	PWM control chip built-in VDD voltage clamping	



	MODEL		F48-120400S	SP	F	48-240190SPA
	Working	TEMP		0~+40°C (45	5℃ can work)	
	Working	Humidity	20 ~ 95% RH, non-condensing			
	Storage Temp.& humidity		-20 ~ +75°C, 20 ~ 95% RH, non-condensing			
Environment	Temperature coefficient			±0.03%/℃	(0 ~ 50°C)	
	Vibration resistance		10 ~ 500Hz	, 1G 10min/cyc	le, X, Y, Z 30m	in for each
	Operating altitude		5000m			
	Withstand vo	tage(Hi-Pot)		I/P-O/P:3KVAC		
	Insulation	resistance	I/P-O/P:	100M Ohms / 5	00VDC / 25°C/	70% RH
			Parameter	Stan	dard	Test Level / Note
	Electron	agnotic	Conducted	EN55032(CISPR	32), FCC Part 15B	Class B
		0	Radiated	EN55032(CISPR	82), FCC Part 15B	Class B
	compatible	emission	Harmonic Current	EN6100	00-3-2	Class A
			Voltage Flicker	EN6100	00-3-3	
			EN5	5035, EN6100	0–6–2, EN6120	4–3
Electroma			Parameter	Stan		Test Level /Note
gnetic			ESD	EN6100	0-4-2	Level 3, 15KV air;
compatible						Level 2, 8KV contact, criteria
	Electron	nagnetic	Radiated Susceptibility	EN6100		Level 3, criteria A
	compatibility immunity	y immunity	EFT/Burest	EN6100		Level 3, criteria A
			Surge	EN6100	00-4-5	Level 4, 4KV/L-N, criteria
			Conducted	EN6100	00-4-6	Level 3, criteria A
			Magnetic Field	EN6100	00-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN6100	0-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods
	Safety Standards		IEC/EN60950、60065、62368			
		CB	Ø			O
		CE+LVD	Ø			O
		BIS	Ø			Ø
	Safety type	UL/CUL	•			Ø
	"●"Indicates	GS	O			Ø
	that it is	PSE	Ø			O
	currently	PSB	Ø			Ø
	certified,	CCC	Ø			O
Safety	"©"Indicates	RCM	Ø			Ø
	that the	BSMI	Ø			Ø
	applicant meet	IRAM	Ø			Ø
	the certifica-	KC	Ø			Ø
	tion require-	SABS	O			Ø
	ment but not	SASO	Ø			Ø
		EAC	0			O
		B-MARK	0			0
		SII	0			0
		BR	Ø			0
Other	MT		≥1		IDBK–217F (25	C)
0 1.101	Size(W	/*H*D)		110*51.	5*33mm	
Remark	<ol> <li>Ripple and noise</li> <li>Accuracy: include</li> </ol>	measurement metho s setting error, linea adapter is an indep	II be measured at the input of 230VAC, ro d: capacitance of 0.1uF and 47uF in part r adjustment rate and load adjustment ra endent component, but the final adapter	allel at the terminal a te.	nd the measurement i	is performed under the 20MHZ bandv



### 60W Desk-Top Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/Overload/Overvoltage
- RoHS、Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The F60X series model is a Desk-Top power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video(IEC60950, IEC60065, IEC62368). It uses 18# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 6KV. EMC is designed with Y-cap.

	MODEL	F60X-120500SP	F60X-150400SPA	
	DC Voltage	12V	15V	
	Rated Current	5A	4A	
	Current Range	0 ~ 5A	0 ~ 4A	
	Rated Power	60W	60W	
	Ripple & Noise (max.)remark	120mVp-p	450mVp-p	
Output	Voltage regulation rage	11.4 ~ 12.6V	14.25 ~ 15.75V	
	Voltage accuracy remark 3	±5.0%	±5.0%	
	linear adjustment rate	±1.0%	±2.0%	
	Load STability	±3.0%	±5.0%	
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)		
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)		
	Voltage range	90 ~ 264VAC(277VAC accessible,	compatible with 300VAC in India hig	
	Frequency range	47 ~ 63Hz		
	Stand-by power consumption	210	DmW	
Input	Efficiency(Typ.)	88	3%	
	AC current(Typ.)	1.6A max @	100~240Vac	
	(Typ.) Surge(Typ.) current	COLD START 60A/100Vac	COLD START 100A/230Vac	
		110~145% rate	ed output power	
Protection	Overload	Hiccup mode: output voltage < 50%, recovers automatically after fault condition is removed.Constant current mode: output 50% <voltage 100%,<br="" <="">recovers automatically after fault condition is removed.</voltage>		
	Overvoltage	18 ~ 24V	25V max	
	Oververage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping		



	MODEL		F60X-120500	SP	F6	0X-150400SPA
	Working	g TEMP	0 ~ +40°C (45°C can work)			
	Working	Humidity	20 ~ 95% RH, non-condensing			
Environment	Storage Temp.& humidity		-20 ~ +	75℃, 20 ~ 95%	RH, non-cond	densing
	Temperature coefficient		±0.03%/°C (0 ~ 50°C)			
	Vibration resistance		10 ~ 500Hz		le, X, Y, Z 30m	in for each
	Operating	g altitude		500	0m	
	Withstand voltage(Hi-Pot)		I/P-O/P:3KVAC			
	Insulation	resistance	I/P-O/P:	100M Ohms / 5	00VDC / 25°C/	70% RH
			Parameter	Stan	dard	Test Level / Note
			Conducted	EN55032(CISPR3	2), FCC Part 15B	Class B
	Electron	0	Radiated	EN55032(CISPR3	2), FCC Part 15B	Class B
	compatible	e emission	Harmonic Current	EN6100	0-3-2	Class A
			Voltage Flicker	EN6100		
			0		0–6–2, EN6120	1 3
Electroma			Parameter	Stan		Test Level /Note
gnetic			ESD	EN6100	00-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria
compatible	Electron	nagnetic	Radiated Susceptibility	EN6100	00-4-3	Level 3, criteria A
	compatibility imn	0	EFT/Burest	EN6100	00-4-4	Level 3, criteria A
		ly mining inty	Surge	EN6100	00-4-5	Level 4, 4KV/L-N, criteria
			Conducted	EN6100	00-4-6	Level 3, criteria A
			Magnetic Field	EN6100	00-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN6100	0-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods
	Safety Standards		IEC/EN60950、60065、62368			
		СВ	•			O
		CE+LVD	•			O
		BIS	O			O
	Cofety type	UL/CUL	•			Ø
	Safety type " • "Indicates	GS	O			O
	that it is	PSE	O			O
	currently	PSB	O			O
	certified,	CCC	O			O
Safety	"©"Indicates	RCM	O			O
	that the	BSMI	O			O
	applicant meet	IRAM	Ø			O
	the certifica-	KC	Ø			O
	tion require-	SABS	O			O
	ment but not	SASO	Ø			O
		EAC	Ø			O
		B-MARK	O			O
		SII	Ø			O
		BR	O			O
	MT	BF	≥1	00K hrs. MIL-H	IDBK-217F (25	°C)
Other	Size(W	/*H*D)		110*51.		
			II be measured at the input of 230VAC, r	ated load and ambien	t temperature of 25°C	C unless otherwise specified.
Remark	<ol> <li>Ripple and noise</li> <li>Accuracy: include</li> </ol>	measurement metho s setting error, linea adapter is an indep	d: capacitance of 0.1uF and 47uF in par r adjustment rate and load adjustment ra endent component, but the final adapter	allel at the terminal ar te.	nd the measurement i	s performed under the 20MHZ bandv

### 60W Desk-Top Massage Armchair Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II
- Protections: Short circuit/Overload/Overvoltage
- RoHS、Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The F60 series model is a Desk-Top power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video(IEC60950、IEC60065、IEC62368). It uses 18# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 6KV. EMC is designed with Y-cap.

	MODEL	F60–294yyySPAz
	DC Voltage	29.4V
	Rated Current	2A
	Current Range	0 ~ 2A
	Rated Power	60W
	Ripple & Noise (max.)remark 2	120mVp-p
Output	Voltage regulation rage	29.2~ 29.6V
	Voltage accuracy remark 3	±0.2V
	linear adjustment rate	±1.0%
	Load STability	±3.0%
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)
	Voltage range	90 ~ 264VAC
	Frequency range	47 ~ 63Hz
	Stand-by power consumption	350mW
Input	Efficiency(Typ.)	87%
	AC current(Typ.)	1.5A max @100 ~ 240Vac
	(Typ.) Surge(Typ.) current	COLD START 60A/100Vac 100A/240Vac
		65W rated output power
Protection	Overload	Hiccup mode: output voltage <12V, recovers automatically after fault condition is removed.Constant current mode: output 45% <voltage 100%,<br="" <="">recovers automatically after fault condition is removed.</voltage>
	Overvoltage	36 ~ 40V
	orontontago	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping



	MODEL			F60–294yyySPAz	
	Working	g TEMP	0 ~ +40°C (45°C can work)		
	Working	Humidity	20 ~ 95% RH, non-condensing		
	Storage Tem	p.& humidity	-20 ~ +75°C, 20 ~ 95% RH, non-condensing		
Environment	Temperature coefficient		±0.03%/°C (0 ~ 50°C)		
	Vibration resistance		10 ~ 500Hz, 1G 10min/cycle, X, Y, Z 30min for each		
	Operating altitude			3000m	
	Withstand voltage(Hi-Pot)		I/P-O/P:3KVAC		
	Insulation	resistance	I/P-O/P:	100M Ohms / 500VDC / 25°C/	70% RH
			Parameter	Standard	Test Level / Note
	Electron	nagnetic	Conducted	EN55032(CISPR32), FCC Part 15B	Class B
	compatible	0	Radiated	EN55032(CISPR32), FCC Part 15B	Class B
	compatible	e emission	Harmonic Current	EN61000-3-2	Class A
			Voltage Flicker	EN61000-3-3	
Electroma			EN5	5035, EN61000-6-2, EN6120	4–3
gnetic			Parameter	Standard	Test Level /Note
0			ESD	EN61000-4-2	Level 3, 15KV air;
compatible					Level 2, 8KV contact, criteria
	Electromagnetic compatibility immunity	nagnetic	Radiated Susceptibility	EN61000-4-3	Level 3, criteria A
		EFT/Burest	EN61000-4-4	Level 3, criteria A	
			Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria
			Conducted	EN61000-4-6	Level 3, criteria A
			Magnetic Field	EN61000-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods
	Safety Standards		IEC/EN60950、60065、62368		
		СВ	$\odot$		
		CE+LVD		•	
		BIS		O	
	Safety type	UL/CUL		O	
	"●"Indicates	GS	©		
	that it is	PSE		Ø	
	currently	PSB		Ø	
	certified,	CCC		Ø	
Safety	"©"Indicates	RCM		Ø	
	that the	BSMI		Ø	
	applicant meet	IRAM		Ø	
	the certifica-	KC		Ø	
	tion require-	SABS		0	
	ment but not	SASO		0	
		EAC		O	
		B-MARK		0	
		SII		0	
		BR		0	
Other	MT		≥1	00K hrs. MIL-HDBK-217F (25	C)
0 0 00	Size(W	/*H*D)		141*60.8*34mm	
Remark	<ol> <li>Ripple and noise</li> <li>Accuracy: include</li> </ol>	measurement metho s setting error, linea v adapter is an indep	d: capacitance of 0.1uF and 47uF in para r adjustment rate and load adjustment ra	ated load and ambient temperature of 25°C allel at the terminal and the measurement i te. still needs to be confirmed in co nnection	s performed under the 20MHZ bandw



### 65W Desk–Top Power Supply Adapter

#### Features:

- Miniaturized Design: Small size and light weight
- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,PPS,QC,FCP,SCP
- Protections: Short circuit/Overload/Overvoltage/OverTemperature
- RoHS、Reach compliance

#### Application:

- Mobile Phone
- Tablet
- Digital Product

#### Description:

The FC065X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,PPS,QC,FCP,SCP and other protocols, enabling quick charging of mobile phones and tablet products.

	Model	FC065P04-200033	
	Voltage	5V/3A 9V/3A 12V/3A 20V/2.25A	
	Protocol	PD3.0 / PPS / FCP / SCP / QC2.0 / QC3.0	
Output	Rated Power	65W	
output	Ripple&Noise(pk-pk)	300mVp-p	
	Start and Rise time	3000ms, 80ms/230VAC	
	Voltage range	90 ~ 264VAC	
	Frequency range	47 ~ 63Hz	
lagut	Standby Power Consumption	75mW	
Input	Efficiency(Typ.)	88%	
	Input current(Typ.)	1.8A max @100~240Vac	
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac	
	Quartered	140% max of rated output current	
Protection	OverLoad	Recovers automatically after fault condition is removed	
Protection	Quarterilla	27Vmax	
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping	
	Operating Temperature	0~ 25°C (40°C is optional)	
	Operating Humidity	20 ~ 85% RH, non-condensing	
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing	
	Temperature coefficiency	±0.03%/°C (0~ 40°C)	
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each	
	Altitude	2000m	
	Withstande voltage	I/P-O/P:3KVAC	
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH	



	MODEL			FC065P04-200033	
			Parameter	Standard	Test Level / Note
	Electromagnetic compatible emission		Conducted	EN55032(CISPR32), FCC Part 15B	Class B
			Radiated	EN55032(CISPR32), FCC Part 15B	Class B
			Harmonic Current	EN61000-3-2	Class A
Electroma gnetic compatible			Voltage Flicker	EN61000-3-3	
			EN5	5035, EN61000-6-2, EN6120	4–3
			Parameter	Standard	Test Level /Note
			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria A
	_		Radiated Susceptibility	EN61000-4-3	Level 3, criteria A
		nagnetic	EFT/Burest	EN61000-4-4	Level 3, criteria A
	compatibili	ty immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria
			Conducted	EN61000-4-6	Level 3, criteria A
			Magnetic Field	EN61000-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods
	Safety S	tandards	I		
		СВ	•		
	Safety type	CE+LVD	Ø		
		BIS	0		
		UL/CUL	©		
		GS	©		
	"●"Indicates	PSE	©		
	that it is	PSB	©		
Safety	currently certified,	CCC	•		
Ourory	"©"Indicates	RCM BSMI	© ©		
	that the	IRAM		0	
	applicant meet the certifica-	KC		O	
	tion require-	SABS		O	
	ment but not	SASO		O	
		EAC		Ø	
		B-MARK		Ø	
		SII		Ø	
		BR		Ø	
Other	MT	BF	≥1	00K hrs. MIL-HDBK-217F (25°	C)
Other	Size(W	/*H*D)		62*25.8*108.5mm	
Remark	<ol> <li>Ripple and noise</li> <li>Accuracy: include</li> </ol>	measurement metho is setting error, linear v adapter is an indep	d: capacitance of 0.1uF and 47uF in para r adjustment rate and load adjustment ra	ated load and ambient temperature of 25°C allel at the terminal and the measurement is te. still needs to be confirmed in co nnection of	s performed under the 20MHZ bandw

### 90W Desk–Top Power Supply Adapter

#### Features:

- Miniaturized Design: Small size and light weight
- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,PPS,QC,FCP,SCP
- Protections: Short circuit/Overload/Overvoltage/OverTemperature
- RoHS、Reach compliance

#### Application:

- Mobile Phone
- Tablet
- Digital Product

#### Description:

The FC090X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,PPS,QC,FCP,SCP and other protocols, enabling quick charging of mobile phones and tablet products.

	Model	FC090A01-020045D	
	Voltage	5V/3A 9V/3A 12V/3A 15V/3A 20V/4.5A	
	Protocol	PD3.0 / PPS / FCP / SCP / QC2.0 / QC3.0	
Output	Rated Power	90W	
output	Ripple&Noise(pk-pk)	300mVp-p	
	Start and Rise time	3000ms, 80ms/230VAC	
	Voltage range	90 ~ 264VAC	
	Frequency range	47 ~ 63Hz	
loout	Standby Power Consumption	75mW	
Input	Efficiency(Typ.)	88%	
	Input current(Typ.)	1.8A max @100~240Vac	
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac	
	Quark and	140% max of rated output current	
Protection	OverLoad	Recovers automatically after fault condition is removed	
Protection		27Vmax	
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping	
	Operating Temperature	0~ 25°C (40°C is optional)	
	Operating Humidity	20~85% RH, non-condensing	
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing	
	Temperature coefficiency	±0.03%/°C (0~ 40°C)	
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each	
	Altitude	2000m	
	Withstande voltage	I/P-O/P:3KVAC	
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH	



	MODEL			FC090A01-020045D	
			Parameter	Standard	Test Level / Note
	Electromagnetic compatible emission		Conducted	EN55032(CISPR32), FCC Part 15B	Class B
			Radiated	EN55032(CISPR32), FCC Part 15B	Class B
			Harmonic Current	EN61000-3-2	Class A
Electroma gnetic compatible			Voltage Flicker	EN61000-3-3	
			EN5	5035, EN61000–6–2, EN6120	4–3
			Parameter	Standard	Test Level /Note
			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria
			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A
	Electron	-	EFT/Burest	EN61000-4-4	Level 3, criteria A
	compatibilit	y immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria
			Conducted	EN61000-4-6	Level 3, criteria A
			Magnetic Field	EN61000-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 period
	Safety S	tandards	I	EC/EN60950、60065、62368	
	CE	СВ	•		
		CE+LVD	©		
		BIS	©		
		UL/CUL	0		
		GS	©		
	"●"Indicates	PSE	Ø		
	that it is	PSB	©		
Safety	currently certified,	CCC			
Curoty	"©"Indicates	RCM BSMI			
	that the	IRAM	© ©		
	applicant meet the certifica-	KC		O	
	tion require-	SABS		0	
	ment but not	SASO	©		
		EAC		Ø	
		B-MARK		Ø	
		SII	©		
		BR		Ø	
Other	MT	BF	≥1	00K hrs. MIL-HDBK-217F (25	°C)
0 1.101	Size(W	/*H*D)		130*65*25.5mm	
Remark	<ol> <li>Ripple and noise r</li> <li>Accuracy: include</li> </ol>	neasurement metho s setting error, linear adapter is an indep	d: capacitance of 0.1uF and 47uF in para r adjustment rate and load adjustment ra	ated load and ambient temperature of 25°C allel at the terminal and the measurement is te. still needs to be confirmed in co nnection	s performed under the 20MHZ bandw

### 120W Desk-Top Power Supply Adapter

#### Features:

- Small low profile package
- No-load consumption<0.1W, Meet DOE VI
- Isolation level: Class II • Protections: Short circuit/Overload/Overvoltage
- RoHS, Reach compliance
- LED indicator function optional
- Hi Anti-thunder, Hi ESD protection, Hi-Rel

#### Application:

- Ethernet devices
- Portable tool
- Audio, Video player
- STB, Network devices
- Charger/PD charger

#### Description:

The FC120A01 series model is a Desk-Top power adapter with a plastic shell design, which can effectively prevent users from electrical hazards. Its working efficiency meets the latest energy efficiency requirements. It can work safely and effectively in an ambient temperature of 0°C to 40°C. It has complete protection function and is also in line with the relevant certification of electronic information & audio and video(IEC60950、IEC60065、IEC62368). It uses 16# wire to be compatible with level 5 or 6 energy efficiency. The lightning strike meets 6KV. EMC is designed with Y-cap.

	MODEL	FC120A01-120850	FC120A01-200060	FC120A01-480250		
	DC Voltage	12V	20V	48V		
	Rated Current	8.5A	6A	2.5A		
	Current Range	0 ~ 8.5A	0 ~ 6A	0 ~ 2.5A		
	Rated Power	105W	120W	120W		
	Ripple & Noise (max.)remark	120mVp-p	200mVp-p	500mVp-p		
Output	Voltage regulation rage	11.4 ~ 12.6V	19.0 ~ 21.0V	45.6 ~ 50.4V		
	Voltage accuracy remark 3		±5.0%			
	linear adjustment rate	±1.0%				
	Load STability	±3.0%				
	Start and rise time	2000ms, 80ms/230VAC 3000ms, 80ms/115VAC(Full load)				
	Retention time(Typ.)	20ms/230VAC 10ms/115VAC(Full load)				
	Voltage range	90 ~ 264VAC(277VA	AC accessible, compatible with	n 300VAC in India hig		
	Frequency range	47 ~ 63Hz				
	Stand-by power consumption	210mW				
Input	Efficiency(Typ.)	88%				
	AC current(Typ.)	2.0A				
	(Typ.) Surge(Typ.) current	COLD START 60A/100Vac 100A/240Vac				
		110~145% rated output power				
Protection	Overload	fault condition is remov	Hiccup mode: output voltage < 50%, recovers auton fault condition is removed.Constant current mode: output 50 recovers automatically after fault condition is r			
	Overvoltage	18Vmax	27Vmax	63Vmax		
	01011010090	Protection Type: Turn off the ou	utput, through the PWM control ch	ip built-in VDD voltage clamping		



	MODEL		FC120A01-120850	FC120A01-200060	FC120A01-480250	
	Working TEMP			0~+40℃(45℃可正常使用)		
	Working	Humidity		20~95% RH,无冷凝		
	Storage Temp.& humidity		-20~+75℃, 20~95% RH,无冷凝			
Environment	Temperature coefficient		±0.03%/℃ (0 ~ 50℃)			
	Vibration resistance		10 ~ 500Hz, 1G 10分钟/周期, X, Y, Z各30分钟			
	Operating altitude		5000米			
	Withstand voltage(Hi-Pot)		I/P-O/P:3KVAC			
	Insulation	resistance	I/P-O/P:	100M Ohms / 500VDC / 25°C/	70% RH	
			Parameter	Standard	Test Level / Note	
	Electron	agnotic	Conducted	EN55032(CISPR32), FCC Part 15B	Class B	
		0	Radiated	EN55032(CISPR32), FCC Part 15B	Class B	
	compatible	e emission	Harmonic Current	EN61000-3-2	Class A	
			Voltage Flicker	EN61000-3-3		
			EN5	5035, EN61000-6-2, EN6120	4–3	
Electroma			Parameter	Standard	Test Level /Note	
gnetic			ESD	EN61000-4-2	Level 3, 15KV air;	
compatible			Radiated Susceptibility	EN61000-4-3	Level 2, 8KV contact, criteria A Level 3, criteria A	
	Electron	nagnetic	EFT/Burest			
	compatibili	ty immunity	,	EN61000-4-4	Level 3, criteria A	
			Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria	
			Conducted	EN61000-4-6	Level 3, criteria A	
			Magnetic Field	EN61000-4-8	Level 4, criteria A	
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
	安全	规范	I	EC/EN60950、60065、62368		
		СВ	O	O	Ø	
		CE+LVD	O	O	Ø	
		BIS	Ø	Ø	Ø	
	Safety type " • "Indicates	UL/CUL	Ø	O	Ø	
	<ul> <li>Indicates</li> <li>that it is</li> </ul>	GS	Ø	Ø	Ø	
	currently	PSE	Ø	Ø	Ø	
	certified,	PSB	O	Ø	Ø	
0.1.1	"©"Indicates	CCC	O	Ø	O	
Safety	that the	RCM	O	Ø	Ø	
	applicant meet	BSMI	O	O	Ø	
	the certifica-	IRAM	O	O	0	
	tion require-	KC	0	0	0	
	ment but not	SABS	0	O	0	
		SASO	0	0	0	
		EAC	0	0	0	
		B-MARK SII	0	0	0	
		BR	0	0	0	
	) AT					
Other	MT Size(W		≥]	00K hrs. MIL-HDBK-217F (25	0)	
				138.5*68.5*25mm		
Remark	<ol> <li>All specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified.</li> <li>Ripple and noise measurement method: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwidth.</li> <li>Accuracy: includes setting error, linear adjustment rate and load adjustment rate.</li> <li>The power supply adapter is an independent component, but the final adapter still needs to be confirmed in connection with the electromagnetic compatibility of the terminal equipment.</li> </ol>					

### 120W PD Single C Port With Wire Desk-Top

#### Features:

- No-load consumption<0.1W, Meet DOE VI
- Comcasa: PD,QC,FCP,SCP
- Protection: short circuit/over current/ over voltage/over temperature
- RoHS、Reach compliance

#### Application:

- Mobile phone
- Tablet PC/Laptops
- Digital equipment

#### Description:

The FC120X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,QC,FCP,SCP and other protocols, enabling quick charging of mobile phones and tablet products.

	Model	FC120P03		
	Voltage	5V/3A 9V/3A 12V/3A 15V/3A 20V/6A		
	Protocol	PD3.0 / FCP / SCP / QC2.0 / QC3.0		
Output	Rated Power	120W		
output	Ripple&Noise(pk-pk)	300mVp-p		
	Start and Rise time	3000ms, 80ms/230VAC		
	Voltage range	90 ~ 264VAC		
	Frequency range	47 ~ 63Hz		
loout	Standby Power Consumption	75mW		
Input	Efficiency(Typ.)	88%		
	Input current(Typ.)	1.6A max @100~240Vac		
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac		
	OverLoad	140% max of rated output current		
Protection	OverLoad	Recovers automatically after fault condition is removed		
Protection	Quantaltana	27Vmax		
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping		
	Operating Temperature	0~ 25°C (40°C is optional)		
	Operating Humidity	20 ~ 85% RH, non-condensing		
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing		
	Temperature coefficiency	±0.03%/°C (0~ 40°C)		
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each		
	Altitude	2000m		
	Withstande voltage	I/P-O/P:3KVAC		
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH		



	MODEL			FC120P03	
			Parameter	Standard	Test Level / Note
	Electromagnetic compatible emission		Conducted	EN55032(CISPR32), FCC Part 15B	Class B
			Radiated	EN55032(CISPR32), FCC Part 15B	Class B
			Harmonic Current	EN61000-3-2	Class A
			Voltage Flicker	EN61000-3-3	
			EN5	5035, EN61000–6–2, EN6120	4–3
Electroma			Parameter	Standard	Test Level /Note
gnetic			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria
compatible			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A
	Electron	-	EFT/Burest	EN61000-4-4	Level 3, criteria A
	compatibilit	ly immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteri
			Conducted	EN61000-4-6	Level 3, criteria A
			Magnetic Field	EN61000-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 period
	Safety S	tandards	IEC/EN60950、60065、62368		
	Safety type	СВ	©		
		CE+LVD	Ø		
		BIS	©		
		UL/CUL	©		
		GS	©		
	"●"Indicates	PSE		0	
	that it is currently	PSB CCC	©		
Safety	certified,	RCM		0	
	"©"Indicates	BSMI	©		
	that the	IRAM		Ø	
	applicant meet the certifica-	KC		Ø	
	tion require-	SABS	©		
	ment but not	SASO		Ø	
		EAC		Ø	
		B-MARK		Ø	
		SII	0		
		BR		0	
Other	MT		≥1	00K hrs. MIL-HDBK-217F (25	C)
Remark	<ol> <li>Ripple and noise r</li> <li>Accuracy: include</li> </ol>	and parameters shal measurement metho s setting error, linear adapter is an indep	d: capacitance of 0.1uF and 47uF in para adjustment rate and load adjustment rate	69.5*25.5*138mm ated load and ambient temperature of 25°C allel at the terminal and the measurement is te. still needs to be confirmed in co nnection	s performed under the 20MHZ band

### 20W USB C Charger

#### Features:

- Miniaturized Design: Small size and light weight
- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,QC,FCP
- Protections: Short circuit/Overload/Overvoltage/OverTemperature
- RoHS、Reach compliance

#### Application:

- Mobile Phone
- Tablet
- Digital Product

#### Description:

The FC020X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,QC,FCP and other protocols, enabling quick charging of mobile phones and tablet products.

	Model	FC020P04-090022C		
	Voltage	5V/3A 9V/2.22A 12V/1.67A		
	Protocol	PD3.0 / FCP / QC2.0 / QC3.0		
Output	Rated Power	20W		
output	Ripple&Noise(pk-pk)	200mVp-p		
	Start and Rise time	3000ms, 80ms/230VAC		
	Voltage range	90 ~ 264VAC		
	Frequency range	47 ~ 63Hz		
loout	Standby Power Consumption	100mW		
Input	Efficiency(Typ.)	85%		
	Input current(Typ.)	0.6A max @100~240Vac		
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac		
	Quark and	140% max of rated output current		
Protection	OverLoad	Recovers automatically after fault condition is removed		
Protection	Quantaltana	11.5Vmax		
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping		
	Operating Temperature	0~ 25°C (40°C is optional)		
	Operating Humidity	20 ~ 85% RH, non-condensing		
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing		
	Temperature coefficiency	±0.03%/°C (0~ 40°C)		
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each		
	Altitude	2000m		
	Withstande voltage	I/P-O/P:3KVAC		
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH		



	MODEL			FC020P04-090022C	
			Parameter	Standard	Test Level / Note
	Electromagnetic compatible emission		Conducted	EN55032(CISPR32), FCC Part 15B	Class B
			Radiated	EN55032(CISPR32), FCC Part 15B	Class B
			Harmonic Current	EN61000-3-2	Class A
			Voltage Flicker	EN61000-3-3	
			EN5	5035, EN61000-6-2, EN6120	4–3
Electroma			Parameter	Standard	Test Level /Note
gnetic			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria
compatible			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A
	Electrom	-	EFT/Burest	EN61000-4-4	Level 3, criteria A
	compatibilit	y immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria
			Conducted	EN61000-4-6	Level 3, criteria A
			Magnetic Field	EN61000-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 period
	Safety Standards		IEC/EN60950、60065、62368		
		СВ	©		
		CE+LVD	Ø		
		BIS	Ø		
		UL/CUL	0		
	Safety type	GS		0	
	"●"Indicates	PSE		Ø	
	that it is	PSB		Ø	
Safety	currently certified,	000		•	
Ouroty	"©"Indicates	RCM BSMI		0	
	that the	IRAM	© ©		
	applicant meet	KC		0	
	the certifica- tion require-	SABS		Ø	
	ment but not	SASO	©		
		EAC		Ø	
		B-MARK		Ø	
		SII	©		
		BR		Ø	
Other	MT	BF	≥1	00K hrs. MIL-HDBK-217F (25	°C)
C tho	Size(W	/*H*D)		43*41*29mm	
Remark	<ol> <li>All specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified.</li> <li>Ripple and noise measurement method: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bar</li> <li>Accuracy: includes setting error, linear adjustment rate and load adjustment rate.</li> <li>The power supply adapter is an independent component, but the final adapter still needs to be confirmed in co nnection with the electromagnetic compatible the terminal equipment.</li> </ol>			s performed under the 20MHZ band	

### Mini 20W USB C Charger

#### Features:

- Miniaturized Design: Small size and light weight
- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,QC,FCP,SCP
- Protections: Short circuit/Overload/Overvoltage/OverTemperature
- RoHS、Reach compliance

#### Application:

- Mobile Phone
- Tablet
- Digital Product

#### Description:

The FC020X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,QC,FCP,SCP and other protocols, enabling quick charging of mobile phones and tablet products.

	Model	FC020P03-090022C		
	Voltage	5V/3A 9V/2.22A 12V/1.67A		
	Protocol	PD3.0 / FCP / SCP / QC2.0 / QC3.0		
Output	Rated Power	20W		
output	Ripple&Noise(pk-pk)	200mVp-p		
	Start and Rise time	3000ms, 80ms/230VAC		
	Voltage range	90 ~ 264VAC		
	Frequency range	47 ~ 63Hz		
lagut	Standby Power Consumption	100mW		
Input	Efficiency(Typ.)	85%		
	Input current(Typ.)	0.6A max @100~240Vac		
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac		
	Quark	140% max of rated output current		
Protection	OverLoad	Recovers automatically after fault condition is removed		
FIOLECTION	Querueltere	11.5Vmax		
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping		
	Operating Temperature	0~ 25°C (40°C is optional)		
	Operating Humidity	20 ~ 85% RH, non-condensing		
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing		
	Temperature coefficiency	±0.03%/°C (0~ 40°C)		
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each		
	Altitude	2000m		
	Withstande voltage	I/P-O/P:3KVAC		
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH		



	MODEL			FC020P03-090022C	
			Parameter	Standard	Test Level / Note
	Electromagnetic		Conducted	EN55032(CISPR32), FCC Part 15B	Class B
			Radiated	EN55032(CISPR32), FCC Part 15B	Class B
	compatible	emission	Harmonic Current	EN61000-3-2	Class A
			Voltage Flicker	EN61000-3-3	
			EN5	5035, EN61000-6-2, EN6120	4–3
Electroma			Parameter	Standard	Test Level /Note
gnetic			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria
compatible			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A
	Electron	-	EFT/Burest	EN61000-4-4	Level 3, criteria A
	compatibili	ty immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criter
			Conducted	EN61000-4-6	Level 3, criteria A
			Magnetic Field	EN61000-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 perio
	Safety Standards		IEC/EN60950、60065、62368		
	Safety type	СВ	0		
		CE+LVD	$\odot$		
		BIS	©		
		UL/CUL	Ø		
		GS	©		
	"●"Indicates	PSE	©		
	that it is	PSB			
Safety	currently certified,	CCC		•	
Guioty	"©"Indicates	RCM BSMI	© ©		
	that the	IRAM		0	
	applicant meet	KC		0	
	the certifica- tion require-	SABS	© ©		
	ment but not	SASO		Ø	
		EAC		Ø	
		B-MARK		Ø	
		SII		Ø	
		BR		Ø	
Other	MT	BF	≥1	00K hrs. MIL-HDBK-217F (25	°C)
Other	Size(W	/*H*D)		28*28*30.5mm	
Remark	<ol> <li>Ripple and noise i</li> <li>Accuracy: include</li> </ol>	measurement metho s setting error, linear adapter is an indepe	d: capacitance of 0.1uF and 47uF in para adjustment rate and load adjustment ra	ated load and ambient temperature of 25°C allel at the terminal and the measurement i te. still needs to be confirmed in co nnection	s performed under the 20MHZ band

### Specie 20W USB C Charger

#### Features:

- Miniaturized Design: Small size and light weight
- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,QC,FCP,SCP
- Protections: Short circuit/Overload/Overvoltage/OverTemperature
- RoHS、Reach compliance

#### Application:

- Mobile Phone
- Tablet
- Digital Product

#### Description:

The FC020X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,QC,FCP,SCP and other protocols, enabling quick charging of mobile phones and tablet products.

	Model	FC020P08		
	Voltage	5V/3A 9V/2.22A 12V/1.67A		
	Protocol	PD3.0 / FCP / SCP / QC2.0 / QC3.0		
Output	Rated Power	20W		
output	Ripple&Noise(pk-pk)	200mVp-p		
	Start and Rise time	3000ms, 80ms/230VAC		
	Voltage range	90 ~ 264VAC		
	Frequency range	47 ~ 63Hz		
Input	Standby Power Consumption	100mW		
input	Efficiency(Typ.)	86.95%		
	Input current(Typ.)	0.6A max @100~240Vac		
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac		
	OverLoad	140% max of rated output current		
Protection	OverLoad	Recovers automatically after fault condition is removed		
Protection	Querueltere	11.5Vmax		
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping		
	Operating Temperature	0~ 25°C (40°C is optional)		
	Operating Humidity	20 ~ 85% RH, non-condensing		
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing		
	Temperature coefficiency	±0.03%/°C (0~ 40°C)		
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each		
	Altitude	2000m		
	Withstande voltage	I/P-O/P:3KVAC		
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH		



	MODEL			FC020P08	
			Parameter	Standard	Test Level / Note
	Electromagnetic compatible emission		Conducted	EN55032(CISPR32), FCC Part 15B	Class B
			Radiated	EN55032(CISPR32), FCC Part 15B	Class B
			Harmonic Current	EN61000-3-2	Class A
			Voltage Flicker	EN61000-3-3	
			EN5	5035, EN61000-6-2, EN6120	4–3
Electroma			Parameter	Standard	Test Level /Note
gnetic			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria
compatible			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A
		nagnetic	EFT/Burest	EN61000-4-4	Level 3, criteria A
	compatibili	ty immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria
			Conducted	EN61000-4-6	Level 3, criteria A
			Magnetic Field	EN61000-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 period
	Safety Standards		IEC/EN60950、60065、62368		
	Safety type	СВ		•	
		CE+LVD	0		
		BIS	©		
		UL/CUL	0		
		GS	0		
	"●"Indicates	PSE		Ø	
	that it is	PSB		Ø	
Safety	currently certified,	CCC	•		
Salety	"©"Indicates	RCM			
	that the	BSMI		0	
	applicant meet	IRAM		0	
	the certifica-	KC SABS		0	
	tion require- ment but not	SASO		0	
		EAC		Ø	
		B-MARK		O	
		SII		Ø	
		BR		Ø	
0.1	MT	BF	≥1	00K hrs. MIL-HDBK-217F (25	°C)
Other	Size(	D*H)		34.2*31.2mm	
Remark	<ol> <li>All specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified.</li> <li>Ripple and noise measurement method: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwice.</li> <li>Accuracy: includes setting error, linear adjustment rate and load adjustment rate.</li> <li>The power supply adapter is an independent component, but the final adapter still needs to be confirmed in connection with the electromagnetic compatibility of the terminal equipment.</li> </ol>				

### 30W USB C Charger

#### Features:

- Miniaturized Design: Small size and light weight
- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,QC,FCP,SCP
- Protections: Short circuit/Overload/Overvoltage/OverTemperature
- RoHS、Reach compliance

#### Application:

- Mobile Phone
- Tablet、NoteBook
- Digital Product

#### Description:

The FC030X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,QC,FCP,SCP and other protocols, enabling quick charging of mobile phones and tablet products.

	Model	FC030P01-200015J	
	Voltage	5V/3A 9V/3A 12V/2.5A 15V/2A 20V/1.5A	
	Protocol	PD3.0 / FCP / SCP / QC2.0 / QC3.0	
Output	Rated Power	30W	
Output	Ripple&Noise(pk-pk)	200mVp-p	
	Start and Rise time	3000ms, 80ms/230VAC	
	Voltage range	90 ~ 264VAC	
	Frequency range	47 ~ 63Hz	
lagut	Standby Power Consumption	100mW	
Input	Efficiency(Typ.)	86.95%	
	Input current(Typ.)	0.6A max @100~240Vac	
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac	
		140% max of rated output current	
Protection	OverLoad	Recovers automatically after fault condition is removed	
Protection	0	11.5Vmax	
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping	
	Operating Temperature	0~ 25°C (40°C is optional)	
	Operating Humidity	20 ~ 85% RH, non-condensing	
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing	
	Temperature coefficiency	±0.03%/°C (0~ 40°C)	
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each	
	Altitude	2000m	
	Withstande voltage	I/P-O/P:3KVAC	
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH	



	MODEL			FC030P01-200015J	
		Parameter	Standard	Test Level / Note	
	Electromagnetic		Conducted	EN55032(CISPR32), FCC Part 15B	Class B
			Radiated	EN55032(CISPR32), FCC Part 15B	Class B
	compatible	emission	Harmonic Current	EN61000-3-2	Class A
			Voltage Flicker	EN61000-3-3	
			EN5	5035, EN61000-6-2, EN6120	4-3
Electroma			Parameter	Standard	Test Level /Note
gnetic			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria
compatible	_		Radiated Susceptibility	EN61000-4-3	Level 3, criteria A
	Electron	-	EFT/Burest	EN61000-4-4	Level 3, criteria A
	compatibilit	ly initiatily	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteri
			Conducted	EN61000-4-6	Level 3, criteria A
			Magnetic Field	EN61000-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 period
	Safety S	tandards	IEC/EN60950、60065、		
		СВ	Ø		
	Safety type	CE+LVD	Ø		
		BIS	O		
		UL/CUL	0		
		GS		Ø	
	" <ul> <li>"Indicates</li> </ul>	PSE		0	
	that it is currently	PSB		0	
Safety	certified,	CCC RCM		0	
,	"©"Indicates	BSMI	© ©		
	that the	IRAM	0		
	applicant meet the certifica-	KC	©		
	tion require-	SABS		Ø	
	ment but not	SASO		Ø	
		EAC		Ø	
		B-MARK		Ø	
		SII	0		
		BR		Ø	
Other	MT	BF	≥1	00K hrs. MIL-HDBK-217F (25	°C)
Uner	Size(W	(*H*D)		28*42.5*63.5mm	
Remark	<ol> <li>Ripple and noise r</li> <li>Accuracy: include</li> </ol>	measurement metho s setting error, linear adapter is an indep	d: capacitance of 0.1uF and 47uF in para adjustment rate and load adjustment rate	ated load and ambient temperature of 25° allel at the terminal and the measurement i te. still needs to be confirmed in co nnection	is performed under the 20MHZ band

### 45W USB C Charger

#### Features:

- Miniaturized Design: Small size and light weight
- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,PPS,QC,FCP,SCP
- Protections: Short circuit/Overload/Overvoltage/OverTemperature
- RoHS、Reach compliance

#### Application:

- Mobile Phone
- Tablet、NoteBook
- Digital Product

#### Description:

The FC045X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,PPS,QC,FCP,SCP and other protocols, enabling quick charging of mobile phones and tablet products.

	Model	FC045P03-200023J	
	Voltage	5V/3A 9V/3A 12V/3A 15V/3A 20V/2.25A	
	Protocol	PD3.0 / PPS / FCP / SCP / QC2.0 / QC3.0	
Output	Rated Power	45W	
Output	Ripple&Noise(pk-pk)	200mVp-p	
	Start and Rise time	3000ms, 80ms/230VAC	
	Voltage range	90 ~ 264VAC	
	Frequency range	47 ~ 63Hz	
Input	Standby Power Consumption	100mW	
input	Efficiency(Typ.)	87.73%	
	Input current(Typ.)	1.6A max @100~240Vac	
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac	
	Quark and	140% max of rated output current	
Protection	OverLoad	Recovers automatically after fault condition is removed	
Protection	Quarteristic	27Vmax	
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping	
	Operating Temperature	0~ 25°C (40°C is optional)	
	Operating Humidity	20 ~ 85% RH, non-condensing	
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing	
	Temperature coefficiency	±0.03%/°C (0~ 40°C)	
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each	
	Altitude	2000m	
	Withstande voltage	I/P-O/P:3KVAC	
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH	



型号			FC045P03-200023J		
			Parameter	Standard	Test Level / Note
	电磁兼容发射		Conducted	EN55032(CISPR32), FCC Part 15B	Class B
			Radiated	EN55032(CISPR32), FCC Part 15B	Class B
			Harmonic Current	EN61000-3-2	Class A
			Voltage Flicker	EN61000-3-3	
			EN5	5035, EN61000–6–2, EN6120	4–3
电磁			Parameter	Standard	Test Level /Note
<sup>屯</sup> 區 兼容	电磁兼容	<b>容抗扰度</b>	ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria
			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A
			EFT/Burest	EN61000-4-4	Level 3, criteria A
			Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria
			Conducted	EN61000-4-6	Level 3, criteria A
			Magnetic Field	EN61000-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 period
	安全规范		IEC/EN60950、60065、62368		
	安规类型	СВ		Ø	
		CE+LVD		O	
		BIS		Ø	
		UL/CUL		Ø	
		GS		Ø	
		PSE		0	
	("●"表示	PSB		0	
安规	已有认	CCC		0	
	证,"◎" 表示符合	BSMI		0	
	农 小 付 占	IRAM		O	
	请的认证)	KC		O	
		SABS		Ø	
		SASO		Ø	
		EAC		Ø	
		B-MARK		Ø	
		SII		O	
		BR		Ø	
其他	MT		≥1	00K hrs. MIL-HDBK-217F (25	°C)
	尺寸(W	/*H*D)		28*42.5*63.5mm	
备注	1. 如未特别说明,所有规格参数均在输入为230VAC、额定负载、25℃环境温度下进行量测。 2. 纹波和噪声测量方法:终端并联0.1uf和47uf的电容,在20MHZ带宽下进行量测。 3. 精度:包含设定误差、线性调整率和负载调整率。 4. 电源被视为是一个独立的元件,但最终电源仍需结合终端设备进行电磁兼容相关确认。				





### 65W(GaN) USB C Charger

#### Features:

- Miniaturized Design: Small size and light weight
- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,PPS,QC,FCP,SCP
- Protections: Short circuit/Overload/Overvoltage/OverTemperature
- RoHS、Reach compliance

#### Application:

- Mobile Phone
- Tablet、NoteBook
- Digital Product

#### Description:

The FC065X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,PPS,QC,FCP,SCP and other protocols, enabling quick charging of mobile phones and tablet products.

	Model	FC065P02-200033C2	
	Voltage	Type-C Output: 5V/3A 9V/3A 12V/3A 15V/3A 20V/3.25A Type-A Output: 5V/3A 9V/2A 12V/1.5A	
	Protocol	PD3.0 / PPS / FCP / SCP / QC2.0 / QC3.0	
Output	Rated Power	65W	
	Ripple&Noise(pk-pk)	200mVp-p	
	Start and Rise time	3000ms, 80ms/230VAC	
	Voltage range	90 ~ 264VAC	
	Frequency range	47 ~ 63Hz	
Input	Standby Power Consumption	75mW	
	Efficiency(Typ.)	88%	
	Input current(Typ.)	1.8 A max @100~240Vac	
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac	
	OverLoad	140% max of rated output current	
Protection	010.2000	Recovers automatically after fault condition is removed	
	Overvoltage	27Vmax	
	01011011030	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping	
	Operating Temperature	0~ 25°C (40°C is optional)	
	Operating Humidity	20 ~ 85% RH, non-condensing	
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing	
	Temperature coefficiency	±0.03%/°C (0~ 40°C)	
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each	
	Altitude	2000m	
	Withstande voltage	I/P-O/P:3KVAC	
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH	



	MODEL			FC065P02-200033C2		
			Parameter	Standard	Test Level / Note	
	Electromagnetic compatible emission		Conducted	EN55032(CISPR32), FCC Part 15B	Class B	
			Radiated	EN55032(CISPR32), FCC Part 15B	Class B	
			Harmonic Current	EN61000-3-2	Class A	
			Voltage Flicker	EN61000-3-3		
			EN5	5035, EN61000–6–2, EN6120	4–3	
Electroma			Parameter	Standard	Test Level /Note	
gnetic			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria	
compatible			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A	
	Electron	0	EFT/Burest	EN61000-4-4	Level 3, criteria A	
	compatibili	ty immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criter	
			Conducted	EN61000-4-6	Level 3, criteria A	
			Magnetic Field	EN61000-4-8	Level 4, criteria A	
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 perio	
	Safety S	tandards	IEC/EN60950、60065、62368			
		СВ		Ø		
		CE+LVD	$\odot$			
		BIS	0			
		UL/CUL		Ø		
	Safety type	GS		Ø		
	"●"Indicates	PSE		Ø		
	that it is	PSB		O		
Safety	currently certified,	CCC		0		
Salety	"©"Indicates	RCM	0			
	that the	BSMI	0			
	applicant meet	IRAM		0		
	the certifica-	KC SABS		0		
	tion require- ment but not	SASO		0		
		EAC		Ø		
		B-MARK		O		
		SII		O		
		BR		Ø		
	MT	BF	≥1	00K hrs. MIL-HDBK-217F (25	°C)	
Other	Size(W	/*H*D)		29*65*46.2mm		
Remark	<ol> <li>All specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified.</li> <li>Ripple and noise measurement method: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandw</li> <li>Accuracy: includes setting error, linear adjustment rate and load adjustment rate.</li> <li>The power supply adapter is an independent component, but the final adapter still needs to be confirmed in connection with the electromagnetic compatibility the terminal equipment.</li> </ol>					

### 65W Single C PD Charger

#### Features:

- Miniaturized Design: Small size and light weight
- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,PPS,QC,FCP,SCP
- Protections: Short circuit/Overload/Overvoltage/OverTemperature
- RoHS、Reach compliance

#### Application:

- Mobile Phone
- Tablet、NoteBook
- Digital Product

#### Description:

The FC065X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,PPS,QC,FCP,SCP and other protocols, enabling quick charging of mobile phones and tablet products.

	Model	FC065P02-200033C	
	Voltage	5V/3A 9V/3A 12V/3A 15V/3A 20V/3.25A	
	Protocol	PD3.0 / FCP / SCP / QC2.0 / QC3.0	
Output	Rated Power	65W	
Output	Ripple&Noise(pk-pk)	300mVp-p	
	Start and Rise time	3000ms, 80ms/230VAC	
	Voltage range	90 ~ 264VAC	
	Frequency range	47 ~ 63Hz	
Innut	Standby Power Consumption	75mW	
Input	Efficiency(Typ.)	88%	
	Input current(Typ.)	1.8A max @100~240Vac	
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac	
	OverLoad	140% max of rated output current	
Protection	OverLoad	Recovers automatically after fault condition is removed	
Protection	Our set the set	11.5Vmax	
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping	
	Operating Temperature	0~ 25°C (40°C is optional)	
	Operating Humidity	20 ~ 85% RH, non-condensing	
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing	
	Temperature coefficiency	±0.03%/°C (0~ 40°C)	
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each	
	Altitude	2000m	
	Withstande voltage	I/P-O/P:3KVAC	
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH	



MODEL			FC065P02-200033C		
		Parameter	Standard	Test Level / Note	
	Electromagnetic		Conducted	EN55032(CISPR32), FCC Part 15B	Class B
			Radiated	EN55032(CISPR32), FCC Part 15B	Class B
	compatible e	emission	Harmonic Current	EN61000-3-2	Class A
			Voltage Flicker	EN61000-3-3	
			EN5	5035, EN61000-6-2, EN6120	4–3
Electroma			Parameter	Standard	Test Level /Note
gnetic			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria
compatible			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A
	Electrom	-	EFT/Burest	EN61000-4-4	Level 3, criteria A
	compatibilit	ty immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteri
			Conducted	EN61000-4-6	Level 3, criteria A
			Magnetic Field	EN61000-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 period
	Safety Standards		IEC/EN60950、60065、62368		
		СВ		Ø	
		CE+LVD	0		
		BIS		Ø	
		UL/CUL		Ø	
	Safety type	GS		Ø	
	"●"Indicates	PSE		Ø	
	that it is	PSB		0	
Safety	currently certified,	CCC		0	
Salety	"©"Indicates	RCM		0	
	that the	BSMI		0	
	applicant meet	IRAM KC		0	
	the certifica- tion require-	SABS		0	
	ment but not	SASO		0	
		EAC		Ø	
		B-MARK		Ø	
		SII		Ø	
		BR		Ø	
Others	MT	BF	≥1	00K hrs. MIL-HDBK-217F (25	°C)
Other	Size(W	/*H*D)		30.8*30.8*53mm	
Remark	<ol> <li>All specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified.</li> <li>Ripple and noise measurement method: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwide.</li> <li>Accuracy: includes setting error, linear adjustment rate and load adjustment rate.</li> <li>The power supply adapter is an independent component, but the final adapter still needs to be confirmed in connection with the electromagnetic compatibility the terminal equipment.</li> </ol>				

### 30W A+C Car Charger

#### Features:

- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,PPS,QC,FCP,SCP
- Protections: Short circuit/Overload/Overvoltage/OverTemperature
- RoHS、Reach compliance

#### Application:

- Mobile Phone
- Tablet, NoteBook
- Digital Product

#### Description:

The FC030X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,PPS,QC,FCP,SCP and other protocols, Output interface C+A, enabling quick charging of mobile phones and tablet products.

	Model	FC030C01-120025W2	
	Voltage	Type-C Output: 5V/3A 9V/3A 12V/2.5A Type-A Output: 5V/3A 9V/2A 12V/1.5A Type-C + Type-A Output: 5V/2A + 5V/2A	
	Protocol	PD3.0 / PPS / FCP / SCP / QC2.0 / QC3.0	
Output	Rated Power	30W	
	Ripple&Noise(pk-pk)	200mVp-p	
	Start and Rise time	3000ms, 80ms/230VAC	
	Voltage range	90 ~ 264VAC	
	Frequency range	47 ~ 63Hz	
Input	Standby Power Consumption	75mW	
	Efficiency(Typ.)	88%	
	Input current(Typ.)	1.6A max @100~240Vac	
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac	
	OverLoad	140% max of rated output current	
Protection	OVOILOUU	Recovers automatically after fault condition is removed	
	Overvoltage	27Vmax	
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping	
	Operating Temperature	0~ 25°C (40°C is optional)	
	Operating Humidity	20 ~ 85% RH, non-condensing	
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing	
	Temperature coefficiency	±0.03%/°C (0~ 40°C)	
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each	
	Altitude	2000m	
	Withstande voltage	I/P-O/P:3KVAC	
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH	



	MODEL			FC030C01-120025W2		
			Parameter	Standard	Test Level / Note	
	Electromagnetic compatible emission		Conducted	EN55032(CISPR32), FCC Part 15B	Class B	
			Radiated	EN55032(CISPR32), FCC Part 15B	Class B	
			Harmonic Current	EN61000-3-2	Class A	
			Voltage Flicker	EN61000-3-3		
			EN5	EN55035, EN61000-6-2, EN61204-3		
Electroma			Parameter	Standard	Test Level /Note	
gnetic			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria A	
compatible			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A	
	Electrom	0	EFT/Burest	EN61000-4-4	Level 3, criteria A	
	compatibilit	y immunity	Surge	EN61000-4-5	Level 4, 4KV/L-N, criteria	
			Conducted	EN61000-4-6	Level 3, criteria A	
			Magnetic Field	EN61000-4-8	Level 4, criteria A	
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	
	Safety Standards		IEC/EN60950、60065、62368			
		СВ		Ø		
		CE+LVD	0			
		BIS		Ø		
		UL/CUL	0			
	Safety type	GS		Ø		
	"●"Indicates	PSE		Ø		
	that it is	PSB		0		
Safety	currently certified,	000	©			
carety	"©"Indicates	RCM BSMI		0		
	that the	IRAM		0		
	applicant meet the certifica-	KC		0		
	tion require-	SABS		0		
	ment but not	SASO		O		
		EAC		Ø		
		B-MARK		Ø		
		SII		Ø		
		BR		Ø		
Other	MT		≥100K hrs. MIL-HDBK-217F (25℃)			
e thoi	Size()	W*H)		20.7*39.8mm		
Remark	<ol> <li>All specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified.</li> <li>Ripple and noise measurement method: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwid</li> <li>Accuracy: includes setting error, linear adjustment rate and load adjustment rate.</li> <li>The power supply adapter is an independent component, but the final adapter still needs to be confirmed in connection with the electromagnetic compatibility of the terminal equipment.</li> </ol>					

### 45W A+C Car Charger

#### Features:

- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,PPS,QC,FCP,SCP
- Protections: Short circuit/Overload/Overvoltage/OverTemperature
- RoHS、Reach compliance

#### Application:

- Mobile Phone
- Tablet, NoteBook
- Digital Product

#### Description:

The FC045X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,PPS,QC,FCP,SCP and other protocols, Output interface C+A, enabling quick charging of mobile phones and tablet products.

	Model	FC045C01-200023W2	
	Voltage	Type-C Output: 5V/3A 9V/3A 12V/3A 15V/3A 20V/2.25A Type-A Output: 5V/3A 9V/2A 12V/1.5A Type-C + Type-A Output: Type-C 30W Type-A 15W	
	Protocol	PD3.0 / PPS / FCP / SCP / QC2.0 / QC3.0	
Output	Rated Power	45W	
	Ripple&Noise(pk-pk)	200mVp-p	
	Start and Rise time	3000ms, 80ms/230VAC	
	Voltage range	90 ~ 264VAC	
	Frequency range	47 ~ 63Hz	
Input	Standby Power Consumption	75mW	
	Efficiency(Typ.)	88%	
	Input current(Typ.)	1.6A max @100~240Vac	
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac	
	OverLoad	140% max of rated output current	
Protection	OVOILOUU	Recovers automatically after fault condition is removed	
	Overvoltage	27Vmax	
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping	
	Operating Temperature	0~ 25°C (40°C is optional)	
	Operating Humidity	20 ~ 85% RH, non-condensing	
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing	
	Temperature coefficiency	±0.03%/°C (0~ 40°C)	
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each	
	Altitude	2000m	
	Withstande voltage	I/P-O/P:3KVAC	
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH	



	MODEL			FC045C01-200023W2	
			Parameter	Standard	Test Level / Note
	Electromagnetic compatible emission		Conducted	EN55032(CISPR32), FCC Part 15B	Class B
			Radiated	EN55032(CISPR32), FCC Part 15B	Class B
			Harmonic Current	EN61000-3-2	Class A
			Voltage Flicker	EN61000-3-3	
			EN55035, EN61000-6-2, EN61204-3		
Electroma			Parameter	Standard	Test Level /Note
gnetic			ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria A
compatible			Radiated Susceptibility	EN61000-4-3	Level 3, criteria A
	Electron	-	EFT/Burest	EN61000-4-4	Level 3, criteria A
	compatibilit	ty immunity	Surge	EN61000-4-5	Level 4, 4KV/L–N, criteria
			Conducted	EN61000-4-6	Level 3, criteria A
			Magnetic Field	EN61000-4-8	Level 4, criteria A
			Voltage Dips and interruptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods
	Safety Standards		IEC/EN60950、60065、62368		
		СВ		Ø	
		CE+LVD	0		
		BIS	$\odot$		
		UL/CUL	Ø		
	Safety type	GS		Ø	
	" <ul> <li>"Indicates</li> </ul>	PSE		O	
	that it is	PSB		0	
Safety	currently certified,	000	0		
Guloty	"©"Indicates	RCM BSMI	©		
	that the	IRAM		0	
	applicant meet	KC		0	
	the certifica- tion require-	SABS		Ø	
	ment but not	SASO		Ø	
		EAC		Ø	
		B-MARK		Ø	
		SII		Ø	
		BR		0	
Other	MT	BF	≥1	00K hrs. MIL-HDBK-217F (25	°C)
Uner	Size(	W*H)		28.4*61.5mm	
Remark	<ol> <li>All specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified.</li> <li>Ripple and noise measurement method: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwide.</li> <li>Accuracy: includes setting error, linear adjustment rate and load adjustment rate.</li> <li>The power supply adapter is an independent component, but the final adapter still needs to be confirmed in connection with the electromagnetic compatibility the terminal equipment.</li> </ol>				

### 65W A+C 车充

#### Features:

- No-load consumption<0.1W, Meet DOE VI
- Support protocols: PD,PPS,QC,FCP,SCP
- Protections: Short circuit/Overload/Overvoltage/OverTemperature
- RoHS, Reach compliance

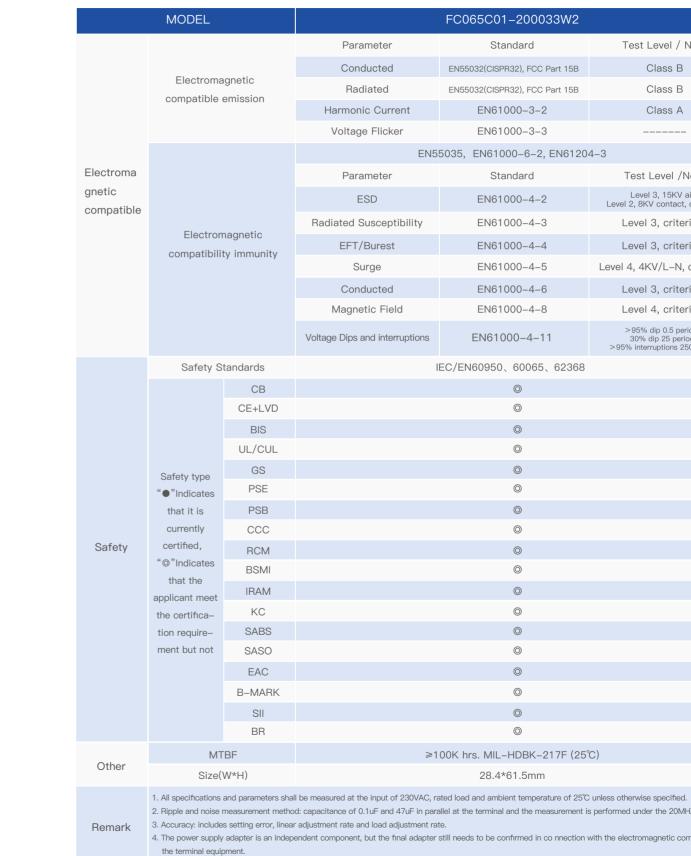
#### Application:

- Mobile Phone
- Tablet, NoteBook
- Digital Product

#### Description:

The FC065X series model is a USB C charger with a plastic shell design, which can effectively prevent users from electrical hazards. Its efficiency meets the latest energy efficiency requirements. It can work safely and effectively at an ambient temperature of 0°C to 40°C. It has complete Protection function and compliance with electronic information & audio and video (IEC60950, IEC60065, IEC62368) related certifications, compatible with PD,PPS,QC,FCP,SCP and other protocols, Output interface C+A, enabling quick charging of mobile phones and tablet products.

	Model	FC065C01-200033W2	
	Voltage	Type-C Output: 5V/3A 9V/3A 12V/3A 15V/3A 20V/3.25A Type-A Output: 5V/3A 9V/2A 12V/1.5A Type-C + Type-A Output: Type-C 45W Type-A 18W	
	Protocol	PD3.0 / PPS / FCP / SCP / QC2.0 / QC3.0	
Output	Rated Power	60W	
	Ripple&Noise(pk-pk)	200mVp-p	
	Start and Rise time	3000ms, 80ms/230VAC	
	Voltage range	90 ~ 264VAC	
	Frequency range	47 ~ 63Hz	
Input	Standby Power Consumption	75mW	
·	Efficiency(Typ.)	88%	
	Input current(Typ.)	1.6A max @100~240Vac	
	Surge current(Typ.)	COLD START 60A/100Vac 100A/240Vac	
	OverLoad	140% max of rated output current	
Protection	OverLoad	Recovers automatically after fault condition is removed	
	Overvoltage	27Vmax	
	Overvoltage	Protection Type: Turn off the output, through the PWM control chip built-in VDD voltage clamping	
	Operating Temperature	0~ 25°C (40°C is optional)	
	Operating Humidity	20 ~ 85% RH, non-condensing	
	Storage Temperature&Humidity	-20 ~ +75°C, 5 ~ 95% RH, non-condensing	
	Temperature coefficiency	±0.03%/°C (0~ 40°C)	
Environment	Vibration resistant	10 ~ 500Hz, 1G 10min/circle, X, Y, Z30mins for each	
	Altitude	2000m	
	Withstande voltage	I/P-O/P:3KVAC	
	Isulation resistant	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH	





# **POWER ADAPTER**

	FC065C01-200033W2						
	Standard	Test Level / Note					
	EN55032(CISPR32), FCC Part 15B	Class B					
	EN55032(CISPR32), FCC Part 15B	Class B					
nt	EN61000-3-2	Class A					
	EN61000-3-3						
EN5	5035, EN61000-6-2, EN6120	4–3					
	Standard	Test Level /Note					
	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact, criteria A					
ility	EN61000-4-3	Level 3, criteria A					
	EN61000-4-4	Level 3, criteria A					
	EN61000-4-5	Level 4, 4KV/L-N, criteria A					
	EN61000-4-6	Level 3, criteria A					
	EN61000-4-8	Level 4, criteria A					
ptions	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods					
I	EC/EN60950、60065、62368						
	Ø						
	Ø						
	Ø						
	O						
	O						
	Ø						
	Ø						
	O						
	O						
	O						
	Ø						
	0						
	0						
	0						
	0						
	0						
	0						
≥1	00K hrs. MIL-HDBK-217F (25°	C)					
- 1							

28.4\*61.5mm

2. Ripple and noise measurement method: capacitance of 0.1uF and 47uF in parallel at the terminal and the measurement is performed under the 20MHZ bandwidth.

4. The power supply adapter is an independent component, but the final adapter still needs to be confirmed in connection with the electromagnetic compatibility of