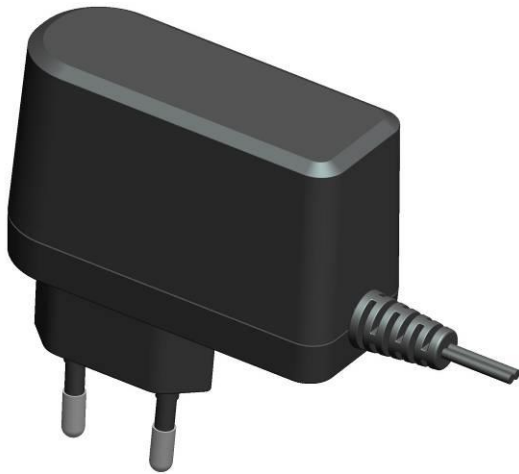


18W Wall Mount Power Supply Adapter



■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.

Key Spec.

MODEL		F18L16-120150SP	
Output	DC Voltage	12V	
	Rated Current	1.5A	
	Current Range	0 ~ 1.5A	
	Rated Power	18W	
	Ripple & Noise (max.)remark 2	120mVp-p	
	Voltage regulation rage	11.4 ~ 12.6V	
	Voltage accuracy remark 3	±5.0%	
Input	Voltage range	90 ~ 264VAC(277VAC accessible, compatible with 300VAC in India high voltage)	
	Frequency range	47 ~ 63Hz	
	Efficiency(Typ.)	85%	
Safety	Safety Standards	IEC/EN60950、60065、62368	
	Safety type	“●”Indicates that it is currently certified, “◎”Indicates that the applicant meet the certification requirement but not be	
	CB	●	
	CE+LVD	●	
	BIS	◎	
	UL/CUL	●	
	GS	◎	
	PSE	◎	
	PSB	◎	
	CCC	●	
	RCM	◎	
	BSMI	◎	
	IRAM	◎	
	KC	◎	
	SABS	◎	
	SASO	◎	
	EAC	◎	
B-MARK	◎		
SII	◎		

18W Wall Mount Power Supply Adapter

Electric Spec.

MODEL		F18L16-120150SP		
Output	DC Voltage	12V		
	Rated Current	1.5A		
	Current Range	0 ~ 1.5A		
	Rated Power	18W		
	Ripple & Noise (max.) ^{remark 2}	120mVp-p		
	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)			
Input	Voltage range	90 ~ 264VAC(277VAC accessible, compatible with 300VAC in India high		
	Frequency range	47 ~ 63Hz		
	Stand-by power consumption	100mW		
	Efficiency(Typ.)	85%		
	AC current(Typ.)	0.6A max @ 100~240V		
(Typ.) Surge(Typ.) current	COLD START 30A/100Vac			
Protection	Overload	110~145% rated output power Hiccup mode: output voltage < 50%, recovers automatically after fault condition is removed.		
	Overvoltage	18 ~ 24V	Protection Type: Turn off the output, through the PWM control chip built-in VDD	
Environment	Working 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		
	Temperature coefficient	±0.03%/°C (0~50°C)		
	Vibration resistance	10 ~ 500Hz, 1G 10min/cycle, X, Y, Z 30min for each		
	Operating altitude	5000 meter		
	Withstand voltage(Hi-Pot)	I/P-O/P:3KVAC		
Insulation resistance	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH			
Electromagnetic compatible	Electromagnetic compatible emission	Parameter	Standard	Test Level / Note
		Conducted	EN55032(CISPR32), FCC Part 15B	Class B
		Radiated	EN55032(CISPR32), FCC Part	Class B
		Harmonic Current	EN61000-3-2	Class A
	Voltage Flicker	EN61000-3-3	-----	
	Electromagnetic compatibility immunity	EN55035, EN61000-6-2, EN61204-3		
		Parameter	Standard	Test Level /Note
		ESD	EN61000-4-2	Level 3, 15KV air; Level 2, 8KV contact,
		Radiated	EN61000-4-3	Level 3, criteria A
		EFT/ Bursts	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		
Other	MTBF	≥100K hrs. MIL-HDBK-217F (25°C)		
	Size (W*H*D)	68*42*28mm		
Remark	<p>1., All specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C unless otherwise specified.</p> <p>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.</p> <p>3. Accuracy: includes setting error, linear adjustment rate and load adjustment rate.</p> <p>4. The power supply is an independent component, but the final power supply still needs to be confirmed in connection with the electromagnetic compatibility of the terminal equipment.</p>			