SP-480 Series

480W Single Output with PFC Function

FEATURES

- Universal AC input - Full range
- Built-in active PFC function
- Short circuit, overload, over voltage, over temperature protected
- Forced air cooling by built-in fan
- High power density 5.18W/in³
- Low profile: 43mm thickness
- Built-in remote ON-OFF control
- Built-in remote sense function
- Active AC surge current limiting
- 3.3V & 5V outputs available (contact sales for details)

ENVIRONMENTAL

Operating Temp: -20 to +60°C (with de-rating)

Storage Temp: -40 to +85°C

SAFETY / EMC (SEE NOTE 5)

EN60950
UL60950

EN55022 (CISPR22) Class B
EN61000-3-2,-3
EN61000-4-2, 3, 4, 5, 6, 8, 11
ENV50204
EN61000-6-2 (EN50082-2)
Light industry level, criteria A

ELECTRICAL SPECIFICATIONS

Model No.	SP-480-XX			
XX	12	15	24	48
AC Input	85-264VAC, Single Phase, 47-63Hz			
DC Input	127-370VDC			
DC Output				
Voltage	12V	15V	24V	48V
Current	0-40A	0-32A	0-20A	0-10A
Rated Power	480W	480W	480W	480W
Peak Load (10min) (4)	516W	525W	528W	528W
Ripple & noise (p-p) (2)	120mV	150mV	1500mV	240mV
Voltage Tolerance (3)	±1.5%	±1.5%	±1.0%	±1.0%
Line Regulation	±0.3%	±0.3%	±0.2%	±0.2%
Load Regulation	±0.5%	±0.5%	±0.5%	±0.5%
Overload	Constant I limiting. Recovers automatically when fault removed			
Over Voltage	Shut down output voltage. Re-power on to recover.			
Over Temperature	Shut down output voltage. Recovers automatically after temp goes down.			
Dimensions	278(L) x 127(W) x 43(H)mm			
Weight	1.7Kg			

Notes:
1. All parameters ***NOT*** specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
2. Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1μF and 47μF parallel capacitor.
3. Tolerance includes set up tolerance, line and load regulation.
4. 33% duty cycle maximum every 30 mins. Average output power should not exceed the rated power.
5. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
6. De-rating may be needed under low input voltage conditions. Please refer to de-rating curve for more details.

Specifications subject to change without notice

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