

SP-150 Series

150W Single Output with PFC Function



FEATURES

- Universal AC input - Full range
- Built-in active PFC function
- Short circuit, overload, over voltage, over temperature protected
- Built-in constant current limiting circuit
- Remote ON-OFF control (Optional)
- LED indicator for power on
- 3.3V, 5V, 7.5V, 13.5V & 27V outputs available (contact sales for details)

ENVIRONMENTAL

Operating Temp: -10 to +60°C (with de-rating)

Storage Temp: -20 to +85°C

SAFETY / EMC (SEE NOTE 4)

EN60950
UL60950

EN55022 (CISPR22) Class B
EN61000-3-2,-3
EN61000-4-2, 3, 4, 5, 6, 8, 11
ENV50204
EN55024
Light industry level, criteria A

ELECTRICAL SPECIFICATIONS

Model No.	SP-150-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	0-12.5A	0-10A	0-6.3A	0-3.2A
Rated Power	150W	150W	150W	153.6W
Ripple & noise (p-p) (2)	100mV	100mV	150mV	250mV
Voltage Tolerance (3)	±2.0%	±2.0%	±1.0%	±1.0%
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%
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	199(L) x 99(W) x 50(H)mm			
Weight	0.76Kg			

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. 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.
5. 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

Safety Power Group Ltd

9, Farnborough Business Centre, Eelmoor Road, Farnborough, Hampshire. GU14 7QN

Tel: +44 (0) 1252 515565

Fax: +44 (0) 1252 546021

e-mail: sales@safety-power.com

web: www.safety-power.com