

# SCP-800 Series

## 800W Single Output Parallel type with PFC



### FEATURES

- AC input 180-260Vac
- PF>0.98 @ 230Vac
- Short circuit, overload, over voltage, over temperature protected
- Forced air cooling by built-in DC fan
- Built-in remote ON-OFF control
- Built-in remote sense function
- Power good signal
- With parallel function for N+1
- Adjusts from 20~100% by external 1-5V signal
- 9, 18, 36 & 60V outputs also available (contact sales for details)

### ENVIRONMENTAL

Operating Temp: -20 to +65°C (with de-rating)

Storage Temp: -20 to +85°C

### SAFETY / EMC (SEE NOTE 5)

EN60950  
UL60950

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

### ELECTRICAL SPECIFICATIONS

Model No.	SCP-800-XX			
XX	12	15	24	48
AC Input	180-260VAC, Single Phase, 47-63Hz			
DC Input	260-370VDC			
DC Output				
Voltage	12V	15V	24V	48V
Current	0-66A	0-53A	0-33A	0-16A
Rated Power	792W	795W	792W	768W
Ripple & noise (p-p)	120mV	150mV	240mV	480mV
Voltage Tolerance	±1.0%	±1.0%	±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 (4)	Current limiting, delay shutdown output voltage. Re-power on to recover.			
Over Voltage	Shut down output voltage. Re-power on to recover.			
Over Temperature	Shut down output voltage. Recovers automatically when temp goes down.			
Dimensions	290(L) x 120(W) x 68(H)mm			
Weight	2.3Kg			

- 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. Current limiting 3 times (1.5s, 3.0s, 5.0s). Then intelligent auto recovery before shutdown.
  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.



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