



Features:

- Universal Input 90 – 240 VAC
- Input Available in 2-Pin or 3-Pin Configuration
- Internal EMI Filter
- Single Output
- Active Power Factor Correction
- Input Surge Current Protection
- Over-Current & Over- Voltage Protection
- 100% Burn-In
- RoHS Compliant



Input

Input Voltage	90 to 264 VAC
Input Frequency	47 to 63Hz
Input Current	2.1A Max. at 115VAC, 0.8A Max. at 230VAC, Full Load
Safety Ground Leakage Current	0.1mA Max. @ 240VAC, Full Load

Output

Output Voltage & Current	See Chart
Ripple & Noise (P-P)	1% Max., Full Load @ 90VAC Input
Over-Voltage Protection	Set at 112 - 132% of Nominal Output Voltage
Over-Current Protection	Set at 110 - 150% of Nominal Output Current
Temperature Coefficient	± 0.04% / °C Max.
Transient Response	Full Load to Half Load @ 100VAC Input: 4mS Max.

Environmental

Operating Temperature	0°C to 70°C
Derating	Derated from 100% at +40°C to 50% at +70°C
Storage Temperature	-40°C to 85°C
Relative Humidity	5% to 95% Non-Condensing

Electrical

Efficiency	90% Max.
Hold-Up Time	16mS Min.
Line Regulation	±1% Max. at Full Load
Load Regulation	±5% Max. at 230VAC
Inrush Current	54A @ 115VAC Max. 63A @ 230VAC Max. at 25°C Cold Start
Withstanding Voltage	5600 VDC from Primary to Secondary, 2800 VDC from Primary to Ground
Insulation Resistance	50 MΩ Min. from Output to Ground
Mean Time Between Failure (MTBF)	100,000 Hours Min., Full Load at 25°C Ambient

Safety

EMI Requirements	Meets Conduction Limits of: (A) CISPR-11 Class B (B) FCC Part 18 Class B
Safety Standards	Meets or Exceeds: (A) UR Listed (B) UL/C-UL (C) TUV (D) CE

Single Output Voltage and Current Chart

Model Number**	Output Voltage	Output Current	Total Regulation	Maximum Output Power
SFM15 <u>Y</u> P112R	12 VDC	12.50 A	5%	150W
SFM15 <u>X</u> P124R	24 VDC	6.25 A	3%	150W

** To Determine Part Number

Replace "Y" with "0" for 3-pin Input Header (L - N - G), "1" for 2-pin Input Header (L - N).

Example: SFM150P112R indicates a 12VDC Unit with 3-Pin Input.

Pin Connection

Pin	8-Pin Molex Crimp Terminal
1 - 4	V Output
5 - 8	Common

