



Features:

- Universal Input 100 – 240 VAC
- Internal EMI Filter
- Single Output
- Output Voltage Available from 5VDC – 36VDC
- Input Surge Current Protection
- Over-Current Protection
- Over-Voltage Protection
- 100% Burn-In
- Class I



Input

Input Voltage	90 to 260 VAC
Input Frequency	47 to 63Hz
Input Current	1.2A Max. at 115VAC, 0.4A 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 +50°C to 50% at +70°C
Storage Temperature	-40°C to 85°C
Relative Humidity	5% to 95% Non-Condensing

Electrical

Efficiency	85% Max.
Hold-Up Time	16mS Min.
Line Regulation	±1% Max. at Full Load
Load Regulation	±7% Max. at 230VAC
Inrush Current	18A @ 115VAC Max. 34A @ 230VAC Max. at 25°C Cold Start
Withstanding Voltage	5656 VDC from Primary to Secondary, 2828 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 (UL 60601-1) (B) TUV/T-Mark (EN 60601-1) (C) CE (D) CB

Single Output Voltage and Current Chart

Model Number	Output Voltage	Output Current	Total Regulation	Maximum Output Power
SFM81P105R	5 VDC	14.00 A	5%	70W
SFM81P107R	7 VDC	11.43 A	5%	80W
SFM81P109R	9 VDC	8.89 A	4%	80W
SFM81P112R	12 VDC	6.66 A	3%	80W
SFM81P115R	15 VDC	5.33 A	3%	80W
SFM81P118R	18 VDC	4.44 A	3%	80W
SFM81P124R	24 VDC	3.33 A	2%	80W
SFM81P130R	30 VDC	2.66 A	2%	80W
SFM81P136R	36 VDC	2.22 A	2%	80W

Note: SFM81P Series is also available with a 6-position barrier strip (see "optional" part of diagram)
For 6-position barrier strip, order as SFM81P1XXAR, where XX is the desired output voltage.

Pin Connection: SFM81P1XXR

Pin	12-Pin Molex Crimp Terminal
1 - 6	Common
7 - 12	V Output

Pin Connection: SFM81P1XXAR

Pin	6-Position Barrier Strip
1 - 3	Common
4 - 6	V Output

