



Features:

- Universal Input 90 – 240 VAC
- Internal EMI Filter
- Single Output
- 5 VDC to 48 VDC Output Available
- Input Surge Current Protection
- Over-Current Protection
- Over-Voltage Protection
- 100% Burn-In
- RoHS Compliant



Input

Input Voltage	90 to 264 VAC
Input Frequency	47 to 63Hz
Input Current	1.2A Max. at 115VAC 0.6A Max. at 230VAC
No Load Power Consumption	0.5W Max.
Safety Ground Leakage Current	0.75mA 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	12mS Min.
Line Regulation	±1% Max. at Full Load
Load Regulation	±5% Max. at 230VAC
Inrush Current	15A @ 115VAC Max. 30A @ 230VAC Max. at 25°C Cold Start
Withstanding Voltage	4242 VDC from Input to Output, 2121 VDC from Input 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-22 Class B
Safety Standards	Meets or Exceeds: (A) UR Listed (B) TUV/ BUART (C) CE (D) CB

Single Output Voltage and Current Chart

Model Number**	Output Voltage	Output Current	Total Regulation	Maximum Output Power
SF58P1XXR	5 - 6 VDC	8.00 - 6.66 A	5%	40W
SF58P1XXR	6 - 8 VDC	8.00 - 6.00 A	5%	48W
SF58P1XXR	8 - 11 VDC	6.87 - 5.00 A	5%	55W
SF58P1XXR	11 - 13 VDC	5.45 - 4.61 A	5%	60W
SF58P1XXR	14 - 16 VDC	4.29 - 3.75 A	5%	60W
SF58P1XXR	17 - 21 VDC	3.53 - 2.85 A	5%	60W
SF58P1XXR	22 - 27 VDC	2.73 - 2.22 A	3%	60W
SF58P1XXR	28 - 33 VDC	2.14 - 1.81 A	3%	60W
SF58P1XXR	34 - 40 VDC	1.76 - 1.50 A	3%	60W
SF58P1XXR	41 - 48 VDC	1.46 - 1.25 A	3%	60W

** To Determine Part Number:

Replace "XX" with Required Output Voltage (5VDC = "05", 12VDC = "12", 48VDC = "48", ect.)

Example: SF58P124R indicates a 24VDC Unit

