



Features:

- Universal Input 100 – 240 VAC
- IEC320-C14 Input Socket
- Power Factor Correction
- Input Surge Current Protection
- Over-Current Protection
- Over-Voltage Protection
- On/Off Switch (Optional)
- RoHS Compliant
- CEC Efficiency Level: V



Input

Input Voltage	90 to 260 VAC
Input Frequency	47 to 63Hz
Input Current	1.32A Max. at 115VAC 0.66A Max. at 230VAC
Power Factor Correction	1.0 Max, 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	88% Typical
Hold-Up Time	16mS Min.
Line Regulation	±1% Max. at Full Load
Load Regulation	±5% Typ. at 230VAC
Inrush Current	30A @ 115VAC Max. 50A @ 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 (EN 60601-1) (C) CE (D) CB (E) FCC (F) CCC (G) PSE (H) CEC Level V



SM130P Series

Desk-Top, Switchmode Medical Power Supply
RoHS Compliant, CEC Efficiency Level V

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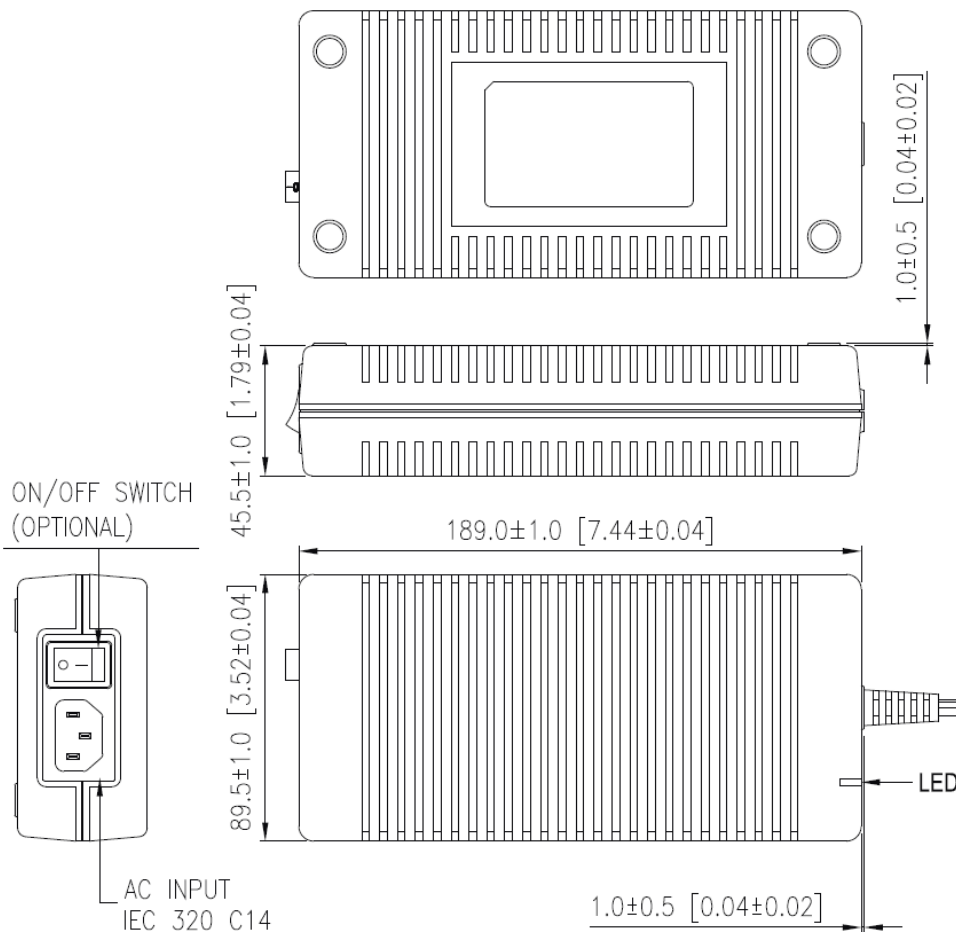
Single Output Voltage and Current Chart

Model Number	Output Voltage	Output Current	Total Regulation	Maximum Output Power
SM130P912R	12 VDC	10.84 A	5%	130W
SM130P924R	24 VDC	5.42 A	3%	130W

Note: Output Connector to be specified.

For 12V Output: Standard Termination is a 4 ft. cable (16AWGx5C) with 5-Pin Din Plug.

For 24V Output: Standard Termination is a 4 ft. cable (16AWGx2C) with 2.5x5.5x11mm Female Barrel Plug, Center Positive (+).



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