SM60D & SM72D Series

Desk-Top, Switch Mode Medical Power Supply
RoHS Compliant

Features:

- Economy Type
- Over-Voltage Protection
- Short Circuit Protection
- Over-Current Protection
- 100% Burn-In
- 100% Hi-Pot Tested
- LED Indication
- RoHS Compliant
- CEC Efficiency Level: IV

Input

Input Voltage	90 to 264 VAC
Input Frequency	47 to 63Hz
Input Current	2.0A Max. @ 240VAC, Full Load
Safety Ground Leakage Current	0.1mA Max. @ 240 VAC, Full Load

Output

Output Voltage & Current	***See Chart***
Ripple & Noise (P-P)	***See Chart***
Over-Voltage Protection	180% Max of Rated Voltage
Over-Current Protection	150% Max of Rated Votlage
Temperature Coefficient	± 0.04% / °C Max.

Environmental

Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to 85°C
Relative Humidity	5% to 95% Non-Condensing

Electrical

Efficiency	85% Typical at Full Load
Hold-Up Time	10mS Min.
Line Regulation	±1% Max. at Full Load
Load Regulation	±5% Max.
Inrush Current	45A @ 115 VAC Max. 90A @ 230 VAC Max. at 25°C Cold Start
Withstanding Voltage	4000 VAC from Input to Output, 1500 VAC from Input to Ground, 500 VAC from Output to Ground
Insulation Resistance	100 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) FCC Part-15 Class B (B) CISPR-22 Class B (C) EN55022 Class B
Safety Standards	Meets or Exceeds: (A) UL/c-UL (B) TUV/GS (C) CE (D) CB (E) FCC

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Output Voltage and Current Chart

Model Number**	Output Voltage†	Maximum Output Current	Ripple & Noise	Maximum Output Power
SM60DYXXR	12 - 17 VDC	5.0 A	2% Max., P-P	60 Watts
SM60DYXXR	18 - 24 VDC	3.3 A	1% Max., P-P	60 Watts
SM72DYXXR	12 - 17 VDC	6.0 A	2% Max., P-P	72 Watts
SM72DYXXR	18 - 24 VDC	4.0 A	1% Max., P-P	72 Watts

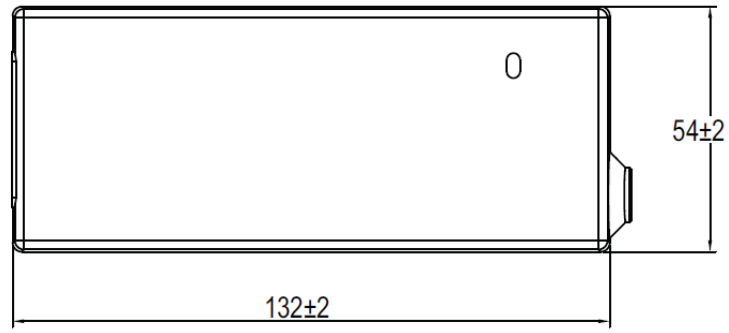
** To Determine Part Number:

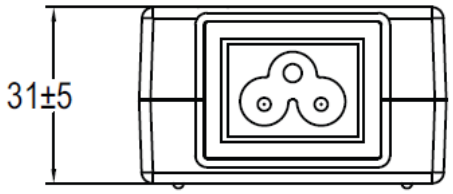
- Replace "Y" with Desired Input Socket (C8 = "8", C14 = "9")
- Replace "XX" with Required Output Voltage (12VDC = "12", 24VDC = "24", ect.)

Example: SM60D**9***24* R indicates a 60-watt, 24VDC Unit with C14 Input Socket.

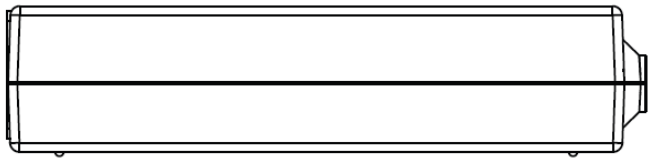
† Output Voltages between stated values are also available.

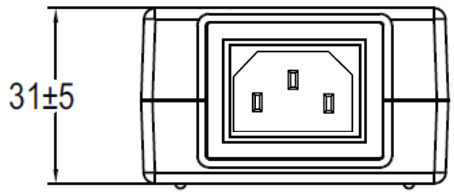
Note:
Output conntector to be specified
Standard Connecter is a 6 ft. cable with 2.5 x 5.5 x 11mm Female Barrel Plug, Center Positive (+)





C8 = **8**





C14 = **9**

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