



Features:

- Universal Input 100 – 240 VAC
- IEC320-C14 Input Socket
- Single Output
- Power Factor Correction
- Input Surge Current Protection
- Over-Current Protection, Over-Voltage Protection
- 100% Burn-In
- RoHS Compliant
- CEC Efficiency Level: V



Input

Input Voltage	90 to 264 VAC
Input Frequency	47 to 63Hz
Input Current	1.62A Max. at 115VAC, 0.72A 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 @ 100VAC 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	Meets CEC Level V Criteria
No Load Power Consumption	≤0.3 Watts
Hold-Up Time	16mS Min.
Line Regulation	±1% Max. at Full Load
Load Regulation	±7% Max. at 230VAC
Inrush Current	38A @ 115VAC Max. 55A @ 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 (E) FCC (F) PSE (G) CCC (H) CEC Level V (≥9V Output)



SM63P 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
SM63P905R	5 VDC	9.00 A	7%	45W
SM63P907R	7 VDC	7.85 A	7%	55W
SM63P909R	9 VDC	6.44 A	5%	58W
SM63P912R	12 VDC	5.25 A	5%	63W
SM63P915R	15 VDC	4.20 A	5%	63W
SM63P918R	18 VDC	3.50 A	5%	63W
SM63P924R	24 VDC	2.62 A	3%	63W
SM63P930R	30 VDC	2.10 A	3%	63W
SM63P936R	36 VDC	1.75 A	3%	63W

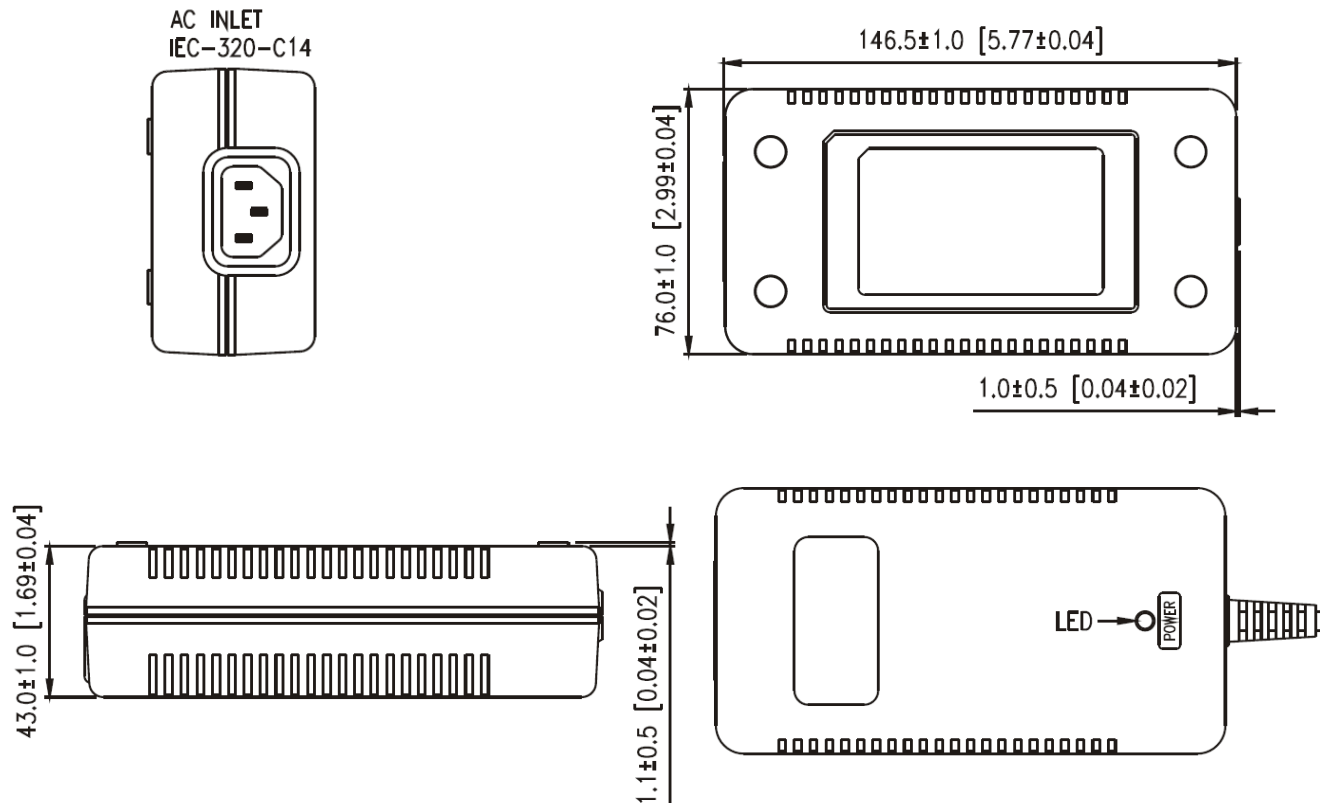
Note: Output Connector to be specified.

Standard Termination is a 2.5x5.5x11mm Female Barrel Plug, Center Positive (+).

For 5V – 7V Output: A 4 ft. (16AWGx5C) Cable is required to meet CEC Efficiency Level V.

For 9V – 18V Output: A 4 ft. (16AWGx2C) Cable is required to meet CEC Efficiency Level V.

For 24V – 36V Output: A 6 ft. (18AWGx2C) Cable is required to meet CEC Efficiency Level V.



TECHNOLOGIES INC.
HICKSVILLE, NEW YORK

264 Duffy Avenue
Hicksville, NY 11801

Tel: (516) 433-1313
Fax: (516) 433-1457

Web: www.apxonline.com
Email: sales@apxonline.com

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