



Features:

- Universal Input 100 – 240 VAC
- 5 VDC to 36 VDC
- 13 to 15 Watts
- Over-Current Protection
- 100% Burn-In
- LED Indication
- C-14, C-8, or C-6 Input Socket Available
- RoHS Compliant
- CEC Efficiency Level: V



Input

Input Voltage	90 to 264 VAC
Input Frequency	47 to 63Hz
Input Current	0.33A Max at 115VAC, 0.18A Max at 230VAC, Full Load
Safety Ground Leakage Current	0.3mA 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	85% Max. at Full Load
Hold-Up Time	16mS Typical
Line Regulation	±1% Max. at Full Load
Load Regulation	±5% Max. at 230VAC
Inrush Current	16A @ 115VAC Max. 30A @ 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) FCC Part-15 Class B (B) FCC Part-18 Class B (C) EN55022 Class B
Safety Standards	Meets or Exceeds: (A) UR Listed (UL 60601-1) (B) TUV/T-Mark (EN 60601-1) (D) CB (E) CE (F) FCC (G) PSE



SM15P Series

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

Date: 12/29/10

Rev: 121510

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Output Voltage and Current Chart

Model Number**	Output Voltage Range	Output Current Range	Total Regulation	Maximum Output Power
SM15PYXXR	5 - 6 VDC	2.60 - 2.16 A	5%	13W
SM15PYXXR	7 - 8 VDC	1.86 - 1.62 A	5%	13W
SM15PYXXR	9 - 11 VDC	1.66 - 1.36 A	5%	15W
SM15PYXXR	12 - 13 VDC	1.25 - 1.15 A	5%	15W
SM15PYXXR	14 - 16 VDC	1.07 - 0.93 A	5%	15W
SM15PYXXR	17 - 21 VDC	0.88 - 0.71 A	5%	15W
SM15PYXXR	22 - 27 VDC	0.68 - 0.55 A	5%	15W
SM15PYXXR	28 - 33 VDC	0.54 - 0.45 A	3%	15W
SM15PYXXR	34 - 36 VDC	0.44 - 0.41 A	3%	15W

** To Determine Part Number:

- Replace "Y" with Required Input Socket Style (9 = C-14, 8 = C-8, 6 = C-6)

Example: SP15P924R indicates a 24VDC Unit with a C-14 Input Socket.

Note: The following models are **NOT** PSE approved:

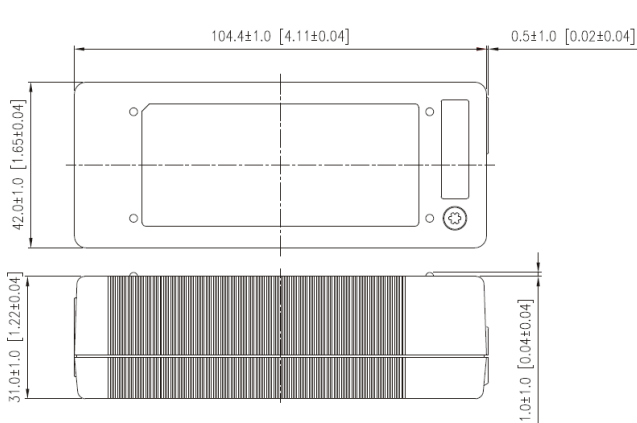
SM15P814R - SM15P836R (C8 Input, 14V - 36V Output)

Note: Output Connector to be specified.

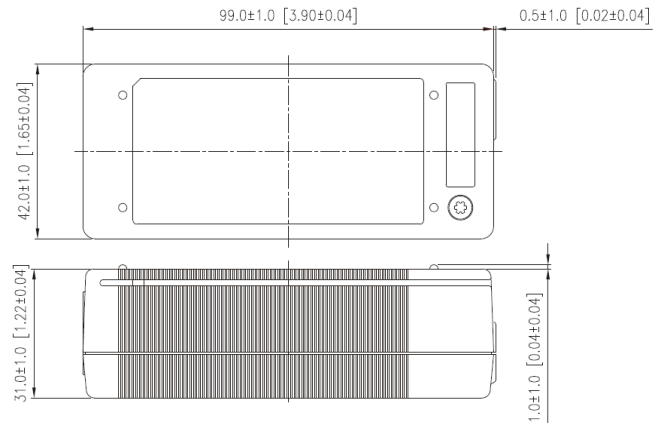
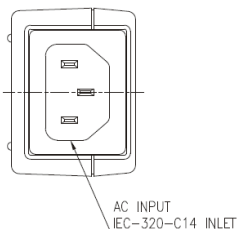
Standard Connector is a 2.5 x 5.5 x 11mm Female Barrel Plug, Center Positive (+).

For 5V, 7V and 12V Output: A 4 ft. (16AWG) cable is required to meet CEC Efficiency Level V.

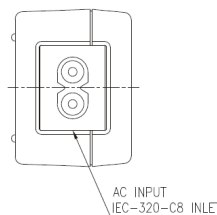
For 9V, 16 - 36V Output: A 4 ft. (18AWG) cable required to meet CEC Efficiency Level V.



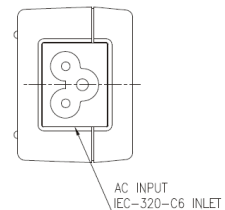
Order as: SM15P9_R



Order as: SM15P8_R



Order as: SM15P6_R



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