



Features:

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



Input

Input Voltage	90 to 264 VAC
Input Frequency	47 to 63Hz
Input Current	2.0A Max. @ 115VAC 1.0A Max. @ 230VAC Full Load
Safety Ground Leakage Current	0.25mA Max.

Output

Output Voltage & Current	See Chart
Ripple & Noise (P-P)	See Chart
Over-Voltage Protection	135% Max. of Nominal Voltage, Auto Recovery
Over-Current Protection	Protected to 5.5A Max.
Short Circuit Protection	Protected to Short Circuit Conditions, Auto Start
Temperature Coefficient	± 0.05% / °C Max.

Environmental

Operating Temperature	0°C to 70°C
Derating	Derated from 100% at +40°C to 50% at +70°C
Storage Temperature	-20°C to 85°C
Relative Humidity	5% to 95% Non-Condensing

Electrical

Efficiency	Meets CEC Level IV Criteria
No Load Power Consumption	≤0.5 Watts
Hold-Up Time	8.3mS Min.
Line Regulation	±1% Max. at Full Load
Load Regulation	±5% Max. at Full Load
Inrush Current	40A Max. @ 110VAC 80A Max. @ 220VAC Cold Start
Withstanding Voltage	4242 VDC from Input to Output, 2121 VDC from Input 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
Safety Standards	Meets or Exceeds: (A) UL/c-UL (B) TUV/GS (C) EK (D) PSE (E) BSMI (F) CE (G) CB



SP56D Series

Desk-Top, Switch Mode Power Supply
RoHS Compliant, CEC Efficiency Level IV

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Output Voltage and Current Chart

Model Number**	Output Voltage	Maximum Output Current	Maximum Output Power	Ripple & Noise
SP56D8XXR	15 - 24 VDC	2.95 A	56W	350 mV

** To Determine Part Number:

- Replace "XX" with Required Output Voltage (15VDC = "15", 24VDC = "24", etc.)

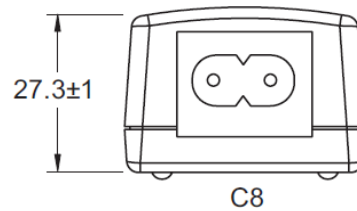
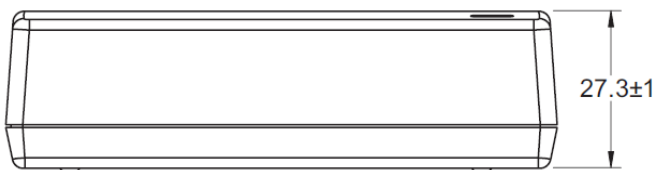
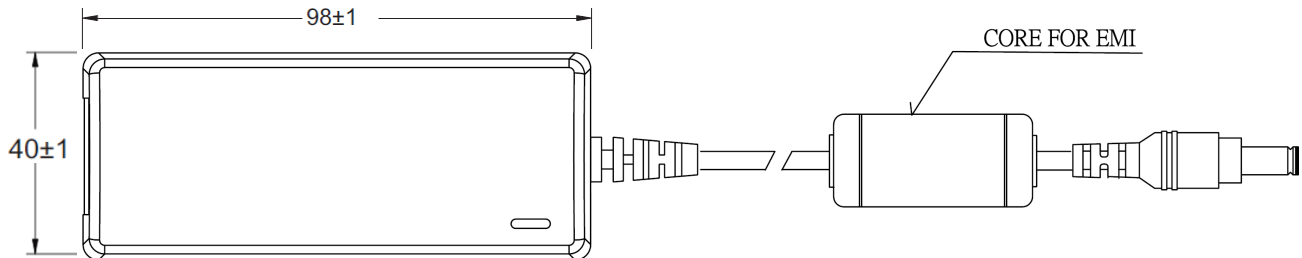
Example: SP56D824R indicates a 24VDC Unit.

Note:

Output connector to be specified

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

The cable length and wire gauge will be dependent on CEC requirements for each current level



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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