



Features:

- Universal Input 90 – 240 VAC
- Single Output
- 11 VDC to 48 VDC Output Available
- 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
Power Factor Correction	1.0 Max.
Input Current	1.35A Max. at 115VAC 0.5A Max. at 230VAC
Safety Ground Leakage Current	0.75mA 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	Meets CEC Level V Criteria
Hold-Up Time	12mS Min.
Line Regulation	±1% Max. at Full Load
Load Regulation	±5% Max. at 230VAC
Inrush Current	50A @ 115VAC Max. 100A @ 230VAC Max. at 25°C Cold Start
Withstanding Voltage	4242 VDC from Input to Output, 2121 VDC from Input 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-22 Class B (B) FCC Part 15 Class B
Safety Standards	Meets or Exceeds: (A) UL/ C-UL (B) TUV-GS (C) CE (D) CB (E) TUV/PSE (F) FCC (G) CCC (H) CEC Level V



SP100P Series

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

Date: 1/28/10

Rev: 010810

Page: 2 of 2

Single Output Voltage and Current Chart

Model Number**	Output Voltage	Output Current	Total Regulation	Maximum Output Power
SP100P9XXR	11 - 13 VDC	9.09 - 7.69 A	5%	100W
SP100P9XXR	14 - 16 VDC	7.14 - 6.25 A	5%	100W
SP100P9XXR	17 - 21 VDC	5.88 - 4.76 A	5%	100W
SP100P9XXR	22 - 27 VDC	4.55 - 3.70 A	5%	100W
SP100P9XXR	28 - 33 VDC	3.57 - 3.03 A	5%	100W
SP100P9XXR	40 - 48 VDC	2.50 - 2.08 A	5%	100W

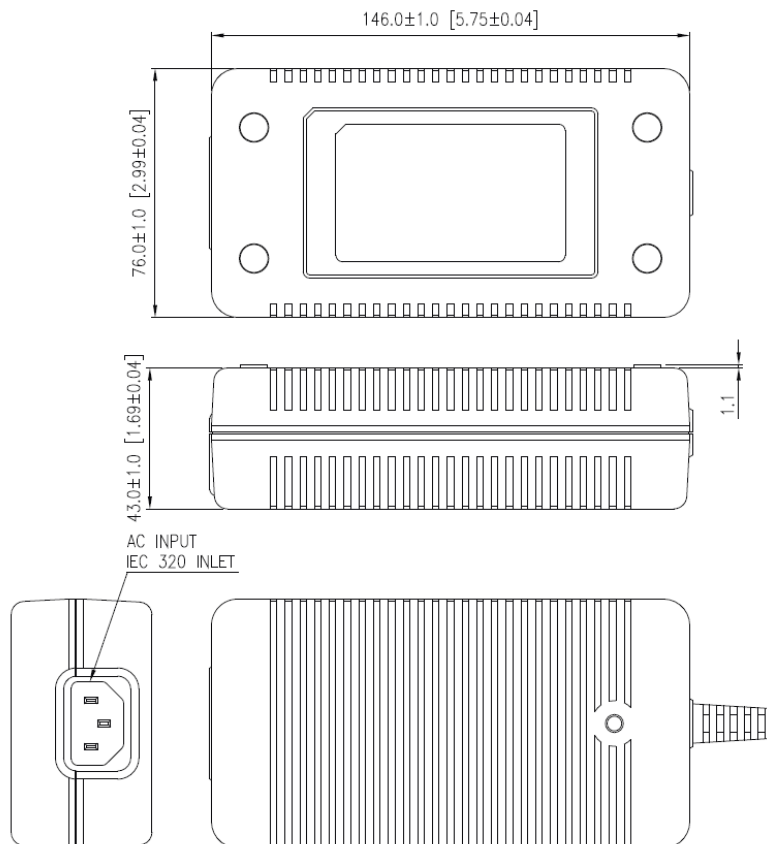
** To Determine Part Number:

Replace "XX" with Required Output Voltage (5VDC = "05", 12VDC = "12", 48VDC = "48", etc.)

Example: SP100P924R indicates a 24VDC Unit.

Note: Output Connector to be specified.

Standard Connector is a 4 ft. cable (18AWGx3C + 16AWGx3C) with 6-Pin DIN Plug.



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

• © Copyright 1978
• APX Technologies, Inc.