



Features:

- Universal Input 100 – 240 VAC
- 5 VDC to 48 VDC
- 16.5 to 25 Watts
- Over-Current Protection
- 100% Burn-In
- LED Indication
- C-14, C-8 or C-6 Input Socket Available
- RoHS Compliant
- CEC Efficiency Level: IV & V



Input

Input Voltage	90 to 264 VAC
Input Frequency	47 to 63Hz
Input Current	0.4A Max at 115VAC 0.25A Max at 230VAC
Safety Ground Leakage Current	SP25P9 & SP25P6 Series: 0.75mA SP25P8 Series: 0.25mA Max. @ 240VAC, Full Load

Output

Output Voltage & Current	See Chart
Ripple & Noise (P-P)	1% Max, Full Load @ 90VAC Input
Over-Current Protection	Output Protected to Short Circuit Conditions
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 IV & V
No Load Power Consumption	≤0.3 Watts (12 - 48V Output) ≤0.5 Watts (5 - 11V Output)
Hold-Up Time	16mS Max.
Line Regulation	±1% Max. at Full Load
Load Regulation	±5% Max. at 230VAC
Inrush Current	15A @ 115VAC Max. 30A @ 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)	300,000 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 (G) FCC (B) TUV (H) PSE (C) CB (I) CCC (D) CE (E) CEC Level IV (5 - 11V Output) (F) CEC Level V (12 - 48V Output)



SP25P Series

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

Date: 1/20/10

Rev: 010710

Page: 2 of 2

Output Voltage and Current Chart

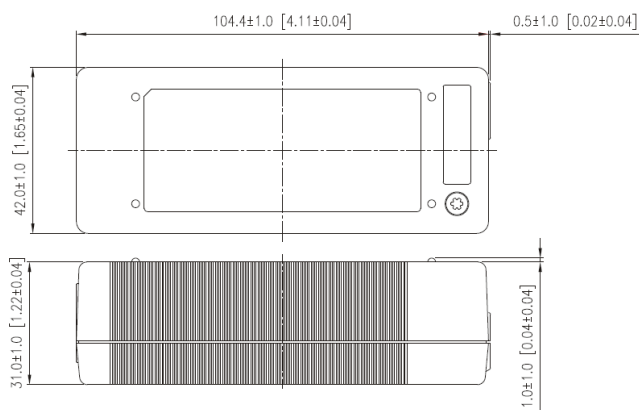
Model Number**	Output Voltage	Output Current	Total Regulation	Maximum Output Power
SP25PYXXR	5 - 6 VDC	3.00 - 2.75 A	5%	16.5W
SP25PYXXR	6 - 8 VDC	3.30 - 2.50 A	5%	20W
SP25PYXXR	8 - 11 VDC	2.75 - 2.00 A	5%	22W
SP25PYXXR	11 - 13 VDC	2.27 - 1.92 A	5%	25W
SP25PYXXR	14 - 16 VDC	1.79 - 1.56 A	5%	25W
SP25PYXXR	17 - 21 VDC	1.47 - 1.19 A	5%	25W
SP25PYXXR	22 - 27 VDC	1.14 - 0.92 A	3%	25W
SP25PYXXR	28 - 33 VDC	0.89 - 0.75 A	3%	25W
SP25PYXXR	34 - 40 VDC	0.73 - 0.62 A	3%	25W
SP25PYXXR	41 - 48 VDC	0.61 - 0.52 A	3%	25W

** To Determine Part Number:

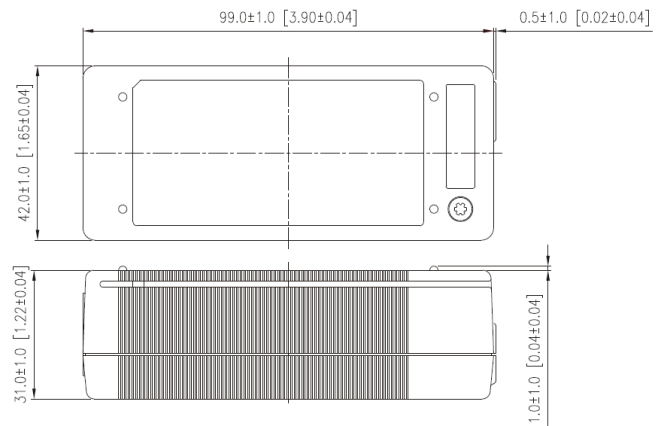
- Replace "Y" with Required Input Socket Style (9 = C-14, 8 = C-8, 6 = C-6)
- Replace "XX" with Required Output Voltage (5VDC = "05", 12VDC = "12", 48VDC = "48", etc.)
Example: SP25P624R indicates a 24VDC Unit with a C-6 Input Socket.
- Note: The following models are PSE approved:
 SP25P9 (C14 Input) (5V - 33V Output) SP25P8 (C8 Input) (6V - 11V Output)
 SP25P6 (C6 Input) (11V - 16V Output)

Note: Output Connector to be specified.

Standard Connector: 4 ft. (AWG#18) cable w/ 2.5x5.5x11mm female barrel coaxial plug, center-hole positive (+).

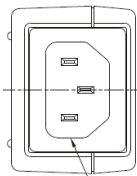


Order as: SP25P9__R

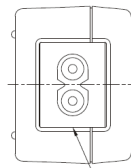


Order as: SP25P8__R

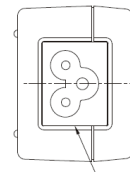
Order as: SP25P6__R



AC INPUT
IEC-320-C14 INLET



AC INPUT
IEC-320-C8 INLET



AC INPUT
IEC-320-C6 INLET



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