



Features:

- Economy Design
- Available in C6 & C8 Input Socket
- Over-Voltage Protection
- Short Circuit Protection
- Over-Current Protection
- 100% Burn-In
- 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. @ 100VAC 1.0A Max. @ 240VAC Full Load
Safety Ground Leakage Current	0.25mA Max.

Output

Output Voltage & Current	<i>See Chart</i>
Ripple & Noise (P-P)	<i>See Chart</i>
Over-Voltage Protection	Set at 112% - 132% of Nominal Output Voltage, Auto Recovery
Over-Current Protection	Set at 110% - 150%, Protected to Short Circuit Conditions, Auto Recovery
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	<i>See Chart</i>
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	45A Max. at 115 VAC, 90A Max. at 230 VAC
Withstanding Voltage	3000 VDC from Primary to Secondary Circuit
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) CISPR-22 Class B
Safety Standards	Meets or Exceeds: (A) UL/c-UL (B) TUV/GS (C) CE (D) CB (E) FCC (F) PSE

Output Voltage and Current Chart

Model Number**	Output Voltage	Maximum Output Current	Maximum Output Power	Ripple & Noise
SP54D <u>Y</u> XXR	8 - 14 VDC	4.50 A	54W	350 mV
SP65D <u>Y</u> XXR	15 - 24 VDC	4.06 A	65W	350 mV

** To Determine Part Number:

- Replace "Y" with Required Input Socket Style Designation (C6 = "6", C8 = "8")
- Replace "XX" with Required Output Voltage (15VDC = "15", 24VDC = "24", etc.)

Example: SP65D824R indicates a 24VDC Unit with a C8 Input Socket.

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

