



Nominal Specifications Model SPS-12W

MODEL ORDERING INFORMATION

Build model code here using
the chart below:



MODELS

SPS MODEL	MODEL OUTPUT	MODEL CODE	PACKAGE STYLE
SPS-4W	24Vdc 150mA 4W	1004	Style A
SPS-12W	24Vdc 500mA 12W	1000	Style B
SPS-24W	24Vdc 1.0A 24W	1001	Style C
SPS-55W	24Vdc 2.3A 55W	1002	Style D
SPS-120W	24Vdc 5.0A 120W	1003	Style E

SPS MODEL PACKAGE STYLES



A



B



C



D



E

AC Input	85Vac to 265Vac, 50/60Hz (115-230Vac ±10% typical)
maximum	265 Vac
DC Input	120Vdc to 330Vdc
maximum	2300 Vdc
Input Current	@115Vac: 260mA RMS ±20%
(input currents for reference only)	@230Vac: 180mA RMS ±20%
.....	@125Vdc: 125mA ±20%
.....	@250Vdc: 65mA ±20%
Input Protection (Inrush Current/Over Voltage)	Varistor
Switching Frequency	100KHz PWM
Efficiency @ Max. Load	80%
Maximum Ripple	0.1% RMS
Regulation Load (10 - 100% load)	0.60%
Line	0.2% 85Vac to 265Vac In
Output Voltage	24Vdc
Output Current	0.5A Max.
Output Power	12W
Overload Protection	Overcurrent shutdown with automatic restart and output overvoltage protection**
Max. Load Capacitance on Output	<8,000mF
Hold Time	@115Vac: 30ms
(full output current after loss of input)	@230Vac: 80ms
Operating Temperature	0°C to +50°C Full Rated Load
Storage Temperature	-40°C to +85°C
Isolation	Input to Output: 3KV RMS
.....	Input to Output Rail: 4KV RMS
.....	Input to Ground: 1.5KV RMS
.....	Output to Ground: 500V RMS
Packaging/Dimensions (LxWxH)	90mm x 18mm x 102mm
Weight	110gms
Mounting	DIN Rail (32mm and 35mm rails)

** The overvoltage protection circuitry switches the unit OFF if there is an overvoltage at the output of the power supply. To RESTART the power supply, the input power must be removed and re-applied.



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