



Nominal Specifications Model SPS-55W

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	300 Vdc	
Input Current	@115Vac: 1.10A RMS ±20% (input currents for reference only)	@230Vac: 550mA RMS ±20% @125Vdc: 580mA ±20% @250Vdc: 315mA ±20%	
Input Protection (fuse)	2A Slow-Blow (inrush current)	Thermistor (overvoltage)	Varistor
Switching Frequency	100KHz PWM		
Efficiency @ Max. Load	78%		
Maximum Ripple	0.1% RMS		
Regulation Load (10 - 100% load)	<1% Line	<0.8%	
Output Voltage	24Vdc		
Output Current	2.3A Max.		
Output Power	55W		
Overload Protection	Overcurrent shutdown with automatic restart and output overvoltage protection**		
Max. Load Capacitance on Output	10,000mF		
Hold Time	@115Vac: 30ms (full output current after loss of input)	@230Vac: 180ms	
Operating Temperature	0°C to +40°C Full Rated Load derate: 2.1A@50°C derate 1.A @60°C		
Storage Temperature	-40°C to +85°C		
Isolation	Input to Output: 3KV RMS Input to Output Rail: 3KV RMS Input to Ground: 1.5KV RMS Output to Ground: 500V RMS		
Packaging/Dimensions (LxWxH)	98mm x 57mm x 131mm		
Weight	478gms		
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.

Take part in a revolution!

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