



Nominal Specifications Model SPS-120W

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: 1.6A RMS ±20% (input currents for reference only)	@230Vac: 1.930mA RMS ±20%
		@125Vdc: 1.2A ±20%
		@250Vdc: 680mA ±20%
Input Protection (inrush current)	Thermistor	
(overvoltage)	Varistor	
Switching Frequency	58KHz PWM	
Efficiency @ Max. Load	75%	
Maximum Ripple	0.2% RMS	
Regulation Load (10 - 100% load)	1%	
Line	0.2%	
Output Voltage	24Vdc	
Output Current	5.0A Max.	
Output Power	120W	
Overload Protection	Overcurrent shutdown with automatic restart and output overvoltage protection**	
Max. Load Capacitance on Output	<6,000mF	
Hold Time	@115Vac: 17ms (full output current after loss of input)	@230Vac: 95ms
Operating Temperature	0°C to +50°C Full Rated Load derate: 4A@50°C, 2.6A@60°C	
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)	219mm x 109mm x 198mm	
Weight	900gms	
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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