



These power supplies convert 120 or 230 VAC input to 24 or 28 VAC output. Fourteen model variations are available, based on input voltage, output voltage, output current ratings and number of channels available. Table 1 summarizes the electrical characteristics of the power supplies. Table 2 supplies other technical information.

Surveyor2000™ Power Supplies

- 120 or 230 VAC input versions
- Converts to 24 or 28 VAC output
- Indoor and outdoor versions
- 4, 8 and 16 channel 28 VAC versions
- 24 VAC and 28 VAC single channel versions

Notes: SUPERSEDES PRODUCT SPECIFICATION 738-994

Model Number	Product Code	Use	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Output Power (W)
S24PS	7027	Indoor	120 ±10%	24 ±5%	2.5	60
S24PS-230	7027-01	Indoor	230 ±10%	24 ±5%	2.5	60
S24WPS	7028	Outdoor	120 ±10%	24 ±5%	4.2	105
S24WPS-230	7028-01	Outdoor	230 ±10%	24 ±5%	4.2	105
S28PS	7029	Indoor	120 ±10%	28 ±5%	2	56
S28PS-230	7029-01	Indoor	230 ±10%	28 ±5%	2	56
S28WPS	7030	Outdoor	120 ±10%	28 ±5%	4	112
S28WPS-230	7030-01	Outdoor	230 ±10%	28 ±5%	4	112
V284-175PS	6421	Indoor, 4-channel	120	28	6.25 (total)	175
V284-175PS-230	6421-01	Indoor, 4-channel	230	28	6.25 (total)	175
V288-360PS	6422	Indoor, 8-channel	120	28	13 (total)	360
V288-360PS-230	6422-01	Indoor, 8-channel	230	28	13 (total)	360
V2816-720PS	6423	Indoor, 16-channel	120	28	26 (total)	720
V2816-720PS-230	6423-01	Indoor, 16-channel	230	28	26 (total)	720

Table 1: Model Numbers, Product Codes and Electrical Characteristics

Technical Information

ELECTRICAL

Input Voltage: Refer to Table 1.
Output Voltage: Refer to Table 1.
Output Power: Refer to Table 1.
Input Connector: 120 VAC models: 2-prong NEMA 1-15 p plug, nonpolarized.
 230 VAC models: European-style CEE7/16 2-prong plug.
Input Cable: 120 VAC models: 6 ft (2 m) 2-conductor 18 AWG.
 230 VAC models: 6 ft (2 m) European-type H03VVH-2-F, 2 × 0.75 mm².

MECHANICAL

Dimensions: Refer to Table 2.
Weight: Refer to Table 2.
Construction: High-impact, flame retardant plastic.
Shipping Dimensions: Refer to Table 2.
Shipping Weight: Refer to Table 2.
Shipping Volume: Refer to Table 2.

ENVIRONMENTAL

Operating Temperature: 32 to 104° F (0 to 40° C).
Humidity: Up to 90% relative, noncondensing.
Altitude: Up to 14,000 ft (4267 m) above sea level.
Storage Temperature Range: -13 to 158° F (-25 to 70° C).
Storage Humidity: Up to 90% relative, noncondensing.

Model Number	Dimensions in. (mm)			Weight lb (kg)	Shipping Dimensions in. (mm)			Shipping Weight lb (kg)	Shipping Volume ft3 (m3)
	Height	Width	Length		Height	Width	Depth		
S24PS	2.5 (63)	3.5 (89)	4.0 (101)	2.75 (1.2)	4.25 (108)	3.5 (89)	6.75 (171)	2.9 (1.3)	0.06 (0.0017)
S24PS-230	2.5 (63)	3.5 (89)	4.0 (101)	2.8 (1.3)	4.25 (108)	3.5 (89)	6.5 (165)	2.9 (1.3)	0.056 (0.0016)
S24-WPS	2.75 (70)	3.6 (91)	5.75 (146)	4.5 (2.1)	5.5 (140)	3.5 (89)	7.0 (178)	4.7 (2.1)	0.08 (0.002)
S24WPS-230	2.75 (70)	3.25 (82)	5.25 (133)	4.1 (185)	4.25 (108)	3.5 (89)	6.5 (165)	4.2 (1.9)	0.056 (0.0016)
S28PS	2.5 (63)	2.9 (74)	4.0 (101)	2.7 (1.2)	3.5 (89)	6.4 (163)	4.25 (108)	2.8 (1.3)	0.05 (0.0014)
S28PS-230	2.5 (63)	2.9 (74)	4.0 (101)	2.7 (1.2)	3.5 (89)	6.4 (163)	4.25 (108)	2.8 (1.3)	0.05 (0.0014)
S28WPS	2.6 (66)	3.1 (79)	5.2 (132)	5.4 (2.4)	3.5 (89)	7.25 (184)	4.75 (121)	5.5 (2.5)	0.07 (0.002)
S28WPS-230	2.6 (66)	3.1 (79)	5.2 (132)	5.4 (2.4)	3.5 (89)	7.25 (184)	4.75 (121)	5.5 (2.5)	0.07 (0.002)
V284-175PS	12 (305)	7.25 (184)	4.5 (114)	10.5 (4.8)	12.25 (311)	7.675 (195)	4.5 (114)	11.0 (5.0)	0.2 (0.006)
V284-175PS-230	12 (305)	7.25 (184)	4.5 (114)	10.5 (4.8)	12.25 (311)	7.675 (195)	4.5 (114)	11.0 (5.0)	0.2 (0.006)
V288-360PS	12 (305)	12 (305)	4 (102)	14.2 (6.4)	12.5 (318)	12.5 (318)	4.75 (121)	15.2 (6.9)	0.4 (0.011)
V288-360PS-230	12 (305)	12 (305)	4 (102)	17.2 (7.8)	12.5 (318)	12.5 (318)	4.75 (121)	18.2 (8.3)	0.4 (0.011)
V2816-720PS	11 (279)	15 (381)	4 (102)	23.8 (10.8)	15.625 (397)	11.5 (292)	5 (127)	24.8 (11.25)	0.5 (0.014)
V2816-720PS-230	11 (279)	15 (381)	4 (102)	29.8 (13.5)	15.627 (397)	11.5 (292)	5 (127)	30.8 (14)	0.5 (0.014)

Table 2: Measurements