



These power supplies convert 120 or 230 VAC input to 24 or 28 VAC output. A variety of models are available, based on input voltage, output voltage, output current ratings and number of channels available. Power supplies are available for indoor or outdoor camera domes and cameras.

Table 1 summarizes the electrical characteristics of the power supplies. Table 2 supplies dimensional information.

Photo shown is typical multi-channel unit.

SURVEYORVFT Power Supplies

- 120 or 230 VAC input versions
- Converts to 24 or 28 VAC output
- Versions for use with indoor and outdoor camera domes/cameras
- 4, 8 and 16 channel versions
- 24 VAC and 28 VAC single-channel versions

Model Number	Product Code	Use With	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Output Power (nominal W, VA)
S24WPS-1	7028-10	Indoor/Outdoor camera domes/cameras	120	24	2	50
S24PS	7027	Indoor camera domes/cameras	120 ±10%	24 ±5%	2.5	60
S24PS-230	7027-01	Indoor camera domes/cameras	230 ±10%	24 ±5%	2.5	60
S28PS-1	7029-10	Indoor camera domes/cameras	120	28 ±5%	2.15 ±5%	60
S28WPS-1*	7030-10	Outdoor camera domes/cameras	120	28 ±5%	3 ±5%	84
S28WPS-230	7030-01	Outdoor camera domes/cameras	230 ±10%	28 ±5%	4	112
V2448-175PS	6410-20	Indoor, 4-channel camera domes/cameras	120	24/28, jumper selectable	7/6.25 (total)	175
V284-175PS-230	6421-01	Indoor, 4-channel camera domes/cameras	230	28	6.25 (total)	175
V248-600PS	8438	Indoor, 8-channel camera domes/cameras	120	24	25 (total)	600
V248-300PS	6422-10	Indoor, 8-channel camera domes/cameras	120	24/28, jumper selectable	12.5/10 (total)	350
V2416-600PS	8437	Indoor, 16-channel camera domes/cameras	120	24/28, jumper selectable	25/20 (total)	600

***The S28WPS-1 has been tested and found to be compliant to NEMA standard TS2 for temperature.**

Table 1: Models and Descriptions

Technical Information

Model Number	Input Connector	Input Cable	Output Connector	Output Cable	Fuses
S24WPS-1	2-prong NEMA 1-15 plug, nonpolarized	None	Screw terminals	None, customer-supplied, appropriate gauge	None
S24PS	2-prong NEMA 1-15 plug, nonpolarized	2-conductor 6 ft (2 m) 18 AWG	None, strip and tin	2-conductor 6 ft (2 m) 18 AWG	None
S24PS-230	European-style CEE7/16 2-prong plug	6 ft (2 m) European-type H03WH-2-F, 2x0.75 mm ²	None, strip and tin	2-conductor 6 ft (2 m) 18 AWG	None
S28PS-1	2-prong NEMA 1-15 plug, nonpolarized	2-conductor 6 ft (2 m) 18 AWG	Molex mini fit with contacts	2-conductor 6 ft (2 m) 18 AWG	None
S28WPS-1	2-prong NEMA 1-15 plug, nonpolarized	2-conductor 6 ft (2 m) 18 AWG	Molex mini fit with contacts	2-conductor 6 ft (2 m) 18 AWG	None
S28WPS-230	European-style CEE7/16 2-prong plug	6 ft (2 m) European-type H03WH-2-F, 2x0.75 mm ²	None, strip and tin	2-conductor 6 ft (2 m) 18 AWG	None
V2448-175PS	None	Flying leads, 18 AWG min.	Screw terminals	None, customer-supplied, appropriate gauge	4, 3.5 A/250 VAC each
V284-175PS-230	None	Flying leads, 18 AWG min.	Screw terminals	None, customer-supplied, appropriate gauge	4, 3.5 A/250 VAC each
V248-600PS	None	Flying leads, 18 AWG min.	Screw terminals	None, customer-supplied, appropriate gauge	8, 3.5 A each
V248-300PS	None	Flying leads, 18 AWG min.	Screw terminals	None, customer-supplied, appropriate gauge	8, 3.5 A/250 VAC each
V2416-600PS	None	Flying leads 18 AWG min.	Screw terminals	None, customer-supplied, appropriate gauge	16, 3.5 A each

Table 2: Electrical Specifications

Technical Information

Model	Dimensions in. (mm)			Weight lb (kg)	Shipping Dimensions H x W x D in. (mm)	Shipping Weight lb (kg)	Shipping Volume ft ³ (m ³)
	Height	Width	Length				
S24WPS-1	3.0 (76)	2.5 (63)	2.3 (58)	1.6 (0.7)	4.0 x 4.0 x 4.0 (102 x 102 x 102)	1.9 (0.9)	0.04 (0.0011)
S24PS	2.5 (63)	3.5 (89)	4.0 (102)	2.75 (1.2)	4.25 x 3.5 x 6.75 (108 x 89 x 171)	2.9 (1.3)	0.06 (0.0017)
S24PS-230	2.5 (63)	3.5 (89)	4.0 (102)	2.8 (1.3)	4.25 x 3.5 x 6.5 (108 x 89 x 165)	2.9 (1.3)	0.056 (0.0016)
S28PS-1	2.5 (63)	2.9 (74)	4.0 (102)	2.4 (1.09)	3.3 x 6.3 x 4.0 (85 x 160 x 102)	2.5 (1.1)	0.048 (0.0014)
S28WPS-1	3.3 (85)	3.4 (86)	5.8 (146.5)	7.1 (3.2)	3.5 x 8.1 x 5.1 (89 x 184 x 121)	7.2 (3.3)	0.08 (0.002)
S28WPS-230	2.6 (66)	3.1 (79)	5.2 (132)	5.4 (2.4)	3.5 x 7.25 x 4.75 (76 x 64 x 64)	5.5 (2.5)	0.07 (0.002)
V2448-175PS	12.25 (311)	7.75 (197)	4.5 (114)	10.5 (4.8)	12.25 x 7.75 x 4.5 (311 x 197 x 114)	11 (5.0)	0.25 (0.007)
V284-175PS-230	12 (305)	7.25 (184)	4.5 (114)	10.5 (4.8)	12.25 x 7.75 x 4.5 (311 x 197 x 114)	11 (5.0)	0.25 (0.007)
V248-600PS	13 (330)	13.5 (343)	3.5 (89)	25 (11.3)	17 x 14 x 5 (432 x 356 x 127)	26 (11.8)	0.7 (0.02)
V248-300PS	12.0 (305)	7.75 (197)	4.5 (114)	16.6 (7.5)	8 x 16.5 x 10 (203 x 419 x 254)	17.6 (8)	0.76 (0.02)
V2416-600PS	13 (330)	13.5 (343)	3.5 (89)	25 (11.3)	17 x 14 x 5 (432 x 356 x 127)	26 (11.8)	0.7 (0.02)

Table 3: Measurements

ELECTRICAL

Input Voltage: Refer to Table 1.

Output Voltage: Refer to Table 1.

Output Power: Refer to Table 1.

Input Connector: Refer to Table 2.

Input Cable: Refer to Table 2.

Output Connector: Refer to Table 2.

Output Cable: Refer to Table 2.

Dimensions: Refer to Table 3.

MECHANICAL Weight: Refer to Table 3.

Construction: Single channel: High-impact, flame-retardant plastic.
Multi channel: Steel.

Shipping Information: Refer to Table 3.

ENVIRONMENTAL Operating

Temperature: 32 to 104° F (0 to 40° C).

Altitude: Up to 14,000 ft (4267 m) above sea level.

Storage Temperature: -13 to 158° F (-25 to 70° C).

**Operating and Storage
Relative Humidity:** Up to 90% relative, noncondensing.



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