

Power Supplies

Overview

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.

Tables 1 and 2 summarize the electrical characteristics of the power supplies. Table 3 supplies dimensional information.

Photo shown is S28WPS-1.



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

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

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

Table 1: Models and Descriptions

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
S24WPS-230	European style CEE7/16 2-prong plug	6 ft (2 m) European type H03WH-2-F, 20 x 0.75 mm ²	None, strip and tin	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, 20 x 0.75 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

Model Number	Dimensions in. (mm)			Weight lb (kg)
	Height	Width	Length	
S24WPS-1	3.0 (76)	2.5 (63)	2.3 (58)	1.6 (0.7)
S24WPS-230	2.5 (63)	3.5 (89)	4.0 (102)	2.8 (1.3)
S28WPS-1	3.3 (85)	3.4 (86.5)	5.8 (146.5)	7.1 (3.2)
S28WPS-230	2.6 (66)	3.1 (79)	5.2 (132)	5.4 (2.4)
V2448-175PS	12.25 (311)	7.75 (197)	4.5 (114)	10.5 (4.8)
V284-175PS-230	12 (305)	7.25 (184)	4.5 (114)	10.5 (4.8)
V248-600PS	13 (330)	13.5 (343)	3.5 (89)	25 (11.3)
V248-300PS	12 (305)	7.75 (197)	4.5 (114)	16.6 (7.5)
V2416-600PS	13 (330)	13.5 (343)	3.5 (89)	25 (11.3)

Table 3: Measurements

Mechanical

Construction: Single channel: high-impact, flame retardant plastic.
Multi-channel: steel.

Dimensions and Weights: Refer to Table 3.

Data Sheet Number: 738

Dated: 01/2011

Vicon Data Sheet Number: 8006-7738-14-01

Specifications subject to change without notice.

Environmental

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

Humidity: Up to 90% relative, non-condensing.

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

Approvals: UL; CE.

Warranty: 3 years.

SurveyorVFT and its logo is a registered trademark of Vicon Industries Inc.
Copyright © 2011 Vicon Industries Inc. All rights reserved.