

## RCS Series Rack Power Supply

### MULTIPLE RACK MOUNTED POWER SUPPLY, INDOOR

#### Product Features

- 1RU Models to Fit Standard EIA 19" Rack
- Removable Terminal Strips With Clamp-Down Connectors
- Individual Green LED Indicators for Each Output
- 26 VAC Available with 8, 16, or 32 Outputs
- 13" Deep Units for Easy Back Access
- Fuses or Self-Resetting Circuit Breakers on Each Output
- Removable 3-Wire Grounded AC Line Cord
- Class 2 Rated (breaker models)
- Optional Locking Face Plate

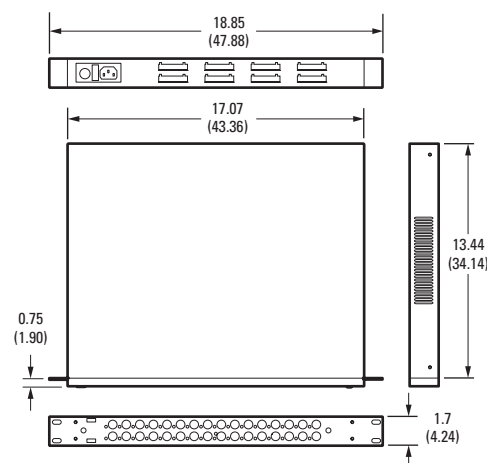


RCS32F20 MODEL SHOWN WITHOUT OPTIONAL LOCKING FACE PLATE

The **RCS Series** rack power supply is designed to decrease installation time, provide better accessibility to outputs, offers quick power connections, and saves space. Designed for a standard EIA 19-inch rack for powering up to 32 units, the **RCS Series** saves valuable rack space as a 1RU (one rack unit) model.

Removable terminal strips with clamp-down connectors are made for quicker power up and power down of the units. These terminal strips lock tightly to hold wire in place; but they can be easily removed for a simpler installation. This rack mount power supply features a green LED front panel display to indicate individual output status. The rack mount enclosure is 13 inches deep for easy access and serviceability. The **RCS Series** delivers maximum flexibility for large multi-camera projects by providing 26 volt alternating current outputs. All models include a main LED power status indicator, and a removable three-wire grounded AC line cord.

Models are included for both fuse or self-resetting circuit breakers on each output with 5, 10, or 20 amp capacities. Individual fuse holders are easily accessible from the front of the unit. Breaker models include self-resetting individual breakers for each output. All models are single phase and operate on either 50 or 60 Hz.



(MEASUREMENTS INCLUDE OPTIONAL LOCKING FACE PLATE)

NOTE: VALUES IN PARENTHESES ARE CENTIMETERS;  
ALL OTHERS ARE INCHES.



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International Standards  
Organization Registered Firm;  
ISO 9001 Quality System



# TECHNICAL SPECIFICATIONS

## MODELS

Outputs	Amps	Breaker	Fuse
8	5	RCS8B5	RCS8F5
16	10	RCS16B10	RCS16F10
16	20	RCS16B20	RCS16F20
32	20	RCS32B20	RCS32F20

## OPTIONAL ACCESSORIES

RCSFP Optional Locking Face Plate (sold separately)

## FRONT PANEL

Fuse Models Removable fuse holders  
All Models Input power LED indicator, individual output LED indicators

## PHYSICAL

Mounting	1RU, standard EIA 19" rack	
Dimensions	13.44" D x 18.85" W x 1.7" H (34.14 x 47.88 x 4.24 cm)	
Environment	Indoor	
Operating Temperature	50° to 120° F (10° to 49° C)	
Power Input	Universal 3-prong power connector	
Included Power Cable	1 standard (117 VAC, 3 prongs, 6 ft or 1.8 m) cable	
Construction	Steel cabinet	
Finish	Charcoal black polyester powder coat	
Weights	Unit and shipping weights	
Model	Unit Weight	Shipping Weight
RCS8F5	11.770 lb (5.340 kg)	14 lb (7 kg)
RCS8B5	11.655 lb (5.230 kg)	14 lb (7 kg)
RCS16F10	14.925 lb (6.770 kg)	17 lb (8 kg)
RCS16B10	14.505 lb (6.580 kg)	17 lb (8 kg)
RCS16F20	21.000 lb (9.525 kg)	23 lb (11 kg)
RCS16B20	20.730 lb (9.403 kg)	23 lb (11 kg)
RCS32F20	21.715 lb (9.850 kg)	24 lb (11 kg)
RCS32B20	21.335 lb (9.674 kg)	24 lb (11 kg)

## PRODUCT CAPACITY

This chart contains a partial list of compatible products and the number of units that may be powered by each power supply. Capacity is based on the VA rating of each listed product.

Product	Power Supply Model			
	RCS8F5/ RCS8B5 130VA	RCS16F10/ RCS16B10 260VA	RCS16F20/ RCS16B20 520VA	RCS32F20/ RCS32B20 520VA
Fixed Camera 12VA	8*	16*	16*	32*
Indoor Spectra® 25VA	5	10	16*	20
Esprit® 70VA	1	3	7	7

\*The number of cameras is limited by the number of output channels, not by the power output.

## POWER

Power Consumption

Model	Input Voltage	Input Fuse	Maximum Load	BTU/H*
RCS8B5/ RCS8F5	115 VAC	1.6 A	143 W, 1.24 A	72
	230 VAC	1 A	143 W, 0.62 A	72
RCS16B10/ RCS16F10	115 VAC	3 A	280 W, 2.44 A	123
	230 VAC	1.6 A	282 W, 1.22 A	119
RCS16B20/ RCS16F20	115 VAC	5 A	549 W, 4.27 A	313
	230 VAC	3 A	542 W, 2.35 A	198
RCS32B20/ RCS32F20	115 VAC	5 A	549 W, 4.27 A	313
	230 VAC	3 A	542 W, 2.35 A	198

\*BTU/H values for the transformer are equal to the difference between input power and output power.

Input Voltage	115 VAC 60Hz or 230 VAC 50Hz (± 10%), selectable
Input Fuse	Varies by model
Output Voltage	26 VAC (all models)
Output Current	Varies by model
Output Fuse Rating	3 A
Fuse Type	5 x 20 mm AG Fast Blow
Circuit Breaker Ratings	3 A
Output Connectors	Four-output removable terminal strips with individually secured locking wire entry
Output Wire Size	16-20 AWG

## RECOMMENDED WIRING DISTANCES

Input Voltage	Total VA Consumed	Wire Gauge*		
		20 AWG (0.5 mm²) Consumed	18 AWG (1.0 mm²) Consumed	16 AWG (1.5 mm²) Consumed
26 VAC	10	333 ft (101 m)	529 ft (161 m)	840 ft (256 m)
	20	166 ft (50 m)	264 ft (80 m)	420 ft (128 m)
	30	111 ft (33 m)	176 ft (53 m)	280 ft (85 m)
	50	66 ft (20 m)	105 ft (32 m)	168 ft (51 m)

\*Individual output cannot exceed this rating, and the total of all outputs cannot exceed the overall rating of the power supply (see *Models* section)

## CERTIFICATIONS/RATINGS

- CE
- Class 2 (breaker models)
- UL Listed

At the time of this printing, all other certifications are pending. Please consult the factory, our website ([www.pelco.com](http://www.pelco.com)), or the most recent B.O.S.S.® update for the current status of certifications.



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