

Regulated DC power supply, the PR-A series



PR18-1.2A

Model	Output rating	
	Voltage(V)	Current(A)
PR18-1.2A	0 - 18	0 - 1.2
PR18-3A	0 - 18	0 - 3
PR18-5A	0 - 18	0 - 5
PR36-3A	0 - 36	0 - 3



PR18-5A

Outline

The PR-A series of series-regulated CV/CC power supplies were designed to provide a compact power supply package with high performance, and ensure excellent reliability as well as excellent design. Four types are units are available for a variety of requirements.

Features

- **Low ripple, low noise**
Series regulation achieves low ripple and noise, as well as a very low temperature coefficient and excellent electrical characteristics.
- **Floating output**
Because the output terminals are floating, operation is possible as either a positive or negative power supply.
- **CV/CC LED indication**
The green LED lights during CV operation and the red LED lights during CC operation.

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Specification

Item	PR18-1.2A	PR18-3A	PR18-5A	PR36-3A
FUNCTIONS				
Output on/off switching	Turn the output on and off.			
Serial connection (Independent control mode)	Can be connected in series (within limits of ground proof voltage.)			
Parallel operation (master-slave mode)	Can be operated in "one-control" parallel configuration (only with other machines of same model.)			
OUTPUT				
Polarity	Positive or negative ground possible			
Output terminals (color)	(+)red, (-)white, (GND)black			
Ground proof voltage	±250VDC			
OPERATING CONDITIONS				
Operating Temperature / Humidity Range	0 to 40 deg C, 10 to 80% R.H.			
Storage Temperature / Humidity Range	-20 to 60 deg C, 10 to 85% R.H.			
Cooling mechanism	Natural convection			
POWER CONSUMPTION				
VAW (for rated load of AC 100V)	Approx. 60VA/45W	Approx. 125VA/100W	Approx. 200VA/165W	Approx. 225VA/170W
Input voltage				
Voltage, Frequency	AC 100V/120V/200V/220V/240V ± 10%, 50/60Hz			
Dimensions and weight				
Dimensions (width x height x depth)	104 x 147 x 180mm	104 x 147 x 215mm	138 x 147 x 230mm	138 x 147 x 230mm
Max. Dimensions (width x height x depth)	108 x 161 x 200mm	108 x 167 x 265mm	142 x 167 x 290mm	142 x 167 x 290mm
Weight	Approx. 3.8kg	Approx. 5.7kg	Approx. 8.1kg	Approx. 8.6kg
Accessory items	Instruction manual x 1			

【Note.1】 Mesred with positive or negative grounded.

■ Circuit and ratings subject to change without notice due to developments in technology.

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