

# PR35-3A-3C / PR35-5A-3C

## THREE-WAY LINEAR DC REGULATED VOLTAGE POWER SUPPLY

### Overview

This product has high precision, high reliability, adjustable constant voltage, constant current DC regulated voltage. The product has the advantages of simple operation, durability and complete functions.

### Application

- Universal testing in R&D laboratory
- Pure power supply for radio frequency, microwave circuits or components
- Feature verification and fault diagnosis of devices or circuits
- Quality control and quality inspection
- Power supply for automotive electronic circuits
- Teaching experiments
- Production automation testing



### Features

- The product adopts double four-position voltage, current display with high precision, high reliability, low ripple, low noise, low temperature drift characteristics.
- Independent hardware OVP, OCP protection, OHP protection, fast response, one step faster.
- OVP, OCP protection value can be set separately, and the application range is wider.
- Quick series and parallel operation, no need for external adapter cable, more convenient to use.
- In the series and parallel state, pure hardware shares the same current, fast dynamic response speed, which is more conducive to accurate test.
- Fully digital MCU control, button, encoder operation, longer service life, long-term guarantee of product accuracy.
- The three-way power supply is completely isolated from output, operated independently, and does not interfere with each other.
- Panel door cover protection to prevent wrong operation.
- Intelligent fan cooling system with built-in linear temperature sensor to control fan speed, with low noise and more silence.

## PR series technology specification and functions:

Model	PR35-3A-3C			PR35-5A-3C		
Output Specification	Channel 1	Channel 2	Channel 3	Channel 1	Channel 2	Channel 3
Rated output power	105W	105W	5W	175W	175W	5W
	215W			355W		
<b>Voltage</b>						
Rated output voltage	35V		5V(Fixed)	35V		5(Fixed)
Maximum preset voltage	105% of rating (V)		–	105% of rating(V)		–
Setting resolution	1mV		–	1mV		–
Setting accuracy	0.2% set + 0.1% rating		–	0.2% set + 0.1% rating		–
Display accuracy	±(0.5% of rdng+2 digits)		–	±(0.5% of rdng+2 digits)		–
Line regulation	3mV		–	4mV		–
Load regulation	10mV		–	10mV		–
Transient response	50us		–	50us		–
Ripple noise	0.5mV(rms)		–	0.5mV(rms)		–
<b>Current</b>						
Current	3A		1A	5A		1A
Maximum preset current	105% of rating(A)		–	105% of rating(A)		–
Setting resolution	0.1mA		–	0.1mA		–
Setting accuracy	0.3% set +0.1% rating		–	0.3% set +0.1% rating		–
Display accuracy	±(1% of rdng+5 digits)		–	±(1% of rdng+5 digits)		–
Line regulation	5mA		–	5mA		–
Load regulation	5mA		–	5mA		–
Ripple noise	1mA(rms)		–	2mA(rms)		–
Temperature coefficient	200ppm/°C(ty p)					
<b>Protection functions</b>	OVP/OCP/OHP					
<b>Series/Parallel Specification</b>						
Voltage Tracking Characteristic	Series	≤300mV		–	≤300mV	
	Parallel	≤200mV		–	≤200mV	
<b>Input Specification</b>						
Nominal input rating	100V、117V、200V、217V (220V) 、234V (Factory Preset Parameter) ±10%					
Frequency	50/60Hz					
Dimension(WxHxD)	W250xH186xD385mm					
<b>Environmental conditions</b>						
Operating temperature	0°C to +40°C					
Operating humidity	< 85%RH					
Standard Packing						
Inner box: 47.6x35.6x27.5(CM)	N.W.: 12.4KG		G.W.: 12.8KG		N.W.: 14.2KG G.W.: 14.6KG	