

PR35-3A-3CP / PR35-5A-3CP

THREE-WAY PROGRAMMABLE 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



Panel turnover effect

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.
- The remote control interface supports IEEE std 482.2-1999 and SCPI Specification 1999.0.

PR series technology specification and functions:

Model	PR35-3A-3CP			PR35-5A-3CP		
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		
Voltage						
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+2digits)		–	±(0.5% of rdng+2digits)		–
Line regulation	3mV		–	4mV		–
Load regulation	10mV		–	10mV		–
Transient response	50us		–	50us		–
Ripple noise	0.5mV(rms)		–	0.5mV(rms)		–
Current						
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(typ)					
Protection functions	OVP/OCP/OHP					
Series/Parallel Specification						
Voltage Tracking Characteristic	Series	≤300mV		–	≤300mV	
	Parallel	≤200mV		–	≤200mV	
Input Specification						
Nominal input rating	100V、117V、200V、217V (220V) 、234V (Factory Preset Parameter) ±10%					
Frequency	50/60Hz					
Dimension(WxHxD)	W250xH186xD385mm					
Environmental conditions						
Operating temperature	0°C to +40°C					
Operating humidity	< 85%RH					
Communication interface	RS232/USB					
Standard Packing						
Inner box: 47.6x35.6x27.5(CM)	N.W.: 12.6KG		G.W.: 13KG		N.W.: 14.4KG G.W.: 14.8KG	