



PPW SERIES



► Introduction

PPW series are high accuracy programmable DC power supply with single output. MPU control, RS-232/RS-485/USB interface for PC control, the PPW series facilitates auto test and auto control. The commands of the PPW series are compliant with SCPI commands. Users can easily develop programs to facilitate different applications in auto test and auto control. Digital input fulfilled by rotary dial and keypad input, fast and accurate. Voltage and current regulations by software, avoids human error and makes the PPW series more accurate.

► Features

- High accuracy, high resolution
- Over load, over voltage, over current, over temperature and reverse polarity protections
- Constant voltage and constant current operations, auto CV and CC switch
- 4.3-inch backlit Segment LCD display
- High speed rotary dial and keypad input
- Built-in beeper alarm
- Panel lock and output ON/OFF function
- List mode function, 100 sets save & recall for voltage, current and time setups, easy use in auto test
- Remote sense function
- Low resistance measurement function, display load resistance value
- Battery charge mode
- Standard RS-232 interface, support SCPI commands, support Labview
- Optional RS-485 interface, support Modbus
- Optional RS-232 to USB cable
- Optional 0-5V analog control

► Specifications

Constant Voltage Operation			
Line regulation	≤0.01%+4mV		
Load regulation	≤0.1%+5mV		
Ripple & Noise (20Hz~20MHz)	2mVrms, 30mVpp		
Recovery time	≤1.5ms (50% load change)		
Constant Current Operation			
Line regulation	≤0.2%+3mA		
Load regulation	≤0.2%+5mA		
Ripple & Noise	≤10mArms		
Display			
Voltmeter	5 digits LCD display		
Ammeter	5 digits LCD display		
Setting resolution	1mV/1mA		
Reading resolution	1mV/1mA		
Setting accuracy (25±5°C)	Voltage	±(0.03% reading + 10mV)	
	Current	±(0.3% reading + 10mA)	
Reading accuracy (25±5°C)	Voltage	±(0.02% reading + 5mV)	
	Current	±(0.05% reading + 10mA)	
General			
Protection	Over load, over voltage, over current, over temperature and reverse polarity protections		
Panel lock	Provided		
Remote sense function	Maximum compensation voltage 0.1V		
Battery charge	Lithium battery curve charge		
Interface	RS-232 interface, support SCPI commands, support Labview		
	Optional RS-485 interface, support ModBus		
	Optional RS-232 to USB cable		
	Optional 0-5V analog control		
Memory	100 sets		
Insulation	Between base and output terminal: ≥20MΩ/500VDC		
	Between base and AC power cord: ≥20MΩ/500VDC		
Operating environment	Indoor use	Altitude: ≤2000m	Ambient temperature: 0~40°C
	Relative humidity: ≤80%	Installation category: II	Pollution degree: 2
Storage environment	-10°C~70°C, ≤70%RH		
Power source	AC220V±10%, 50/60Hz or at request		
Accessories	Power cord x1, Operation manual x1, RS-232 cable x1, Software CD x1		

► Selection Guide

Model	PPW-2030	PPW-3010	PPW-3020	PPW-6010	PPW-8008	PPW-1560	PPW-2045	PPW-3030	PPW-6015	PPW-8011
Output voltage	0~20V	0~30V	0~30V	0~60V	0~80V	0~15V	0~20V	0~30V	0~60V	0~80V
Output current	0~30A	0~10A	0~20A	0~10A	0~7.5A	0~60A	0~45A	0~30A	0~15A	0~11A
O.V.P. range	0.1~24V	0.1~34V	0.1~34V	0.1~64V	0.1~88V	0.1~18V	0.1~24V	0.1~34V	0.1~64V	0.1~88V
O.C.P. range	0.1~34A	0.1~12A	0.1~24A	0.1~12A	0.1~8.8A	0.1~62A	0.1~50A	0.1~34A	0.1~17A	0.1~12A
Dimension (WxHxD)	215x89x352mm					215x89x412mm				
Weight	4.5kg					5.5kg				