

## PPW series (1mV/1mA, with USB or RS-232 interface)

### Introduction

PPW series is a high accuracy programmable DC power supply with single output. MPU control, RS-232/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
- ✓ CV and CC operations, auto CV and CC switch
- ✓ 4.3-inch backlit 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
- ✓ Standard RS-232 interface, optional USB interface
- ✓ Supports SCPI commands, support Labview
- ✓ Optional 0-5V analog control

### Product photo

PPW-6015



## Specifications (600W)

Model	PPW-2030	PPW-3010	PPW-3020	PPW-6010	PPW-8008
<b>Rated output (0°C~40°C)</b>					
Voltage	0~20V	0~30V	0~30V	0~60V	0~80V
Current	0~30A	0~10A	0~20A	0~10A	0~7.5A
OVP	0.1~24V	0.1~34V	0.1~34V	0.1~64V	0.1~88V
OCP	0.1~34A	0.1~12A	0.1~24A	0.1~12A	0.1~8.8A
<b>Constant Voltage Operation</b>					
Line regulation	≤0.01%+4mV				
Load regulation	≤0.1%+5mV				
Ripple & Noise	2mVrms, 30mVpp (20Hz~20MHz)				
Recovery time	≤1.5ms (50% load change)				
Temp.Co-efficiency	≤300ppm/°C				
Setting accuracy	±(0.03% of reading + 10mV) (25±5°C)				
Setting resolution	1mV				
<b>Constant Current Operation</b>					
Line regulation	≤0.2%+3mA				
Load regulation	≤0.2%+5mA				
Ripple & Noise	≤10mArms				
Setting accuracy	±(0.3% of reading + 10mA) (25±5°C)				
Setting resolution	1mA				
<b>Display</b>					
Voltmeter	5 digits LCD display				
Ammeter	5 digits LCD display				
Reading resolution	1mV/1mA				
Reading accuracy	Voltage	±(0.02% of reading +5mV) (25±5°C)			
	Current	±(0.05% of reading +10mA) (25±5°C)			
<b>Protection</b>	Over load, over voltage, over current, over temperature and reverse polarity protections				
<b>Programming interface</b>	RS-232 interface, optional USB interface, support SCPI commands				
<b>Memory</b>	100 sets				
<b>Insulation</b>	Between terminals and chassis/other terminals: ≤60VDC				
<b>Operation environment</b>	Indoor use	Altitude: ≤2000m	Ambient temperature: 0~40°C		
	Relative humidity: ≤80%	Safety: grade II	Pollution degree: 2		
<b>Storage environment</b>	Ambient temperature: -10~70°C		Relative humidity: ≤70%		
<b>Power source</b>	AC220V±10%, 50/60Hz, or at request				
<b>Accessories</b>	Power cord x1, Operation manual x1, RS-232 cable x1, Software CD x1				
<b>Dimension</b>	215x89x352mm				
<b>Weight</b>	4.5kg				

## Specifications (900W)

Model	PPW-1560	PPW-2045	PPW-3030	PPW-6015	PPW-8011
<b>Rated output (0°C~40°C)</b>					
Voltage	0~15V	0~20V	0~30V	0~60V	0~80V
Current	0~60A	0~45A	0~30A	0~15A	0~11A
OVP	0.1~18V	0.1~23V	0.1~34V	0.1~64V	0.1~88V
OCP	0.1~62A	0.1~50A	0.1~34A	0.1~17A	0.1~12A
<b>Constant Voltage Operation</b>					
Line regulation	≤0.01%+4mV				
Load regulation	≤0.1%+5mV				
Ripple & Noise	2mVrms, 30mVpp(20Hz~20MHz)				
Recovery time	≤1.5ms (50% load change)				
Temp.Co-efficiency	≤300ppm/°C				
Setting accuracy	±(0.03% of reading + 10mV) (25±5°C)				
Setting resolution	1mV				
<b>Constant Current Operation</b>					
Line regulation	≤0.2%+3mA				
Load regulation	≤0.2%+5mA				
Ripple & Noise	≤10mArms				
Setting accuracy	±(0.3% of reading + 10mA) (25±5°C)				
Setting resolution	1mA				
<b>Display</b>					
Voltmeter	5 digits LCD display				
Ammeter	5 digits LCD display				
Reading resolution	1mV/1mA				
Reading accuracy	Voltage	±(0.02% of reading +5mV) (25±5°C)			
	Current	±(0.05% of reading +10mA) (25±5°C)			
<b>Protection</b>	Over load, over voltage, over current, over temperature and reverse polarity protections				
<b>Programming interface</b>	RS-232 interface, optional USB interface, support SCPI commands				
<b>Memory</b>	100 sets				
<b>Insulation</b>	Between terminals and chassis/other terminals: ≤60VDC				
<b>Operation environment</b>	Indoor use	Altitude: ≤2000m	Ambient temperature: 0~40°C		
	Relative humidity: ≤80%	Safety: grade II	Pollution degree: 2		
<b>Storage environment</b>	Ambient temperature: -10~70°C		Relative humidity: ≤70%		
<b>Power source</b>	AC220V±10%, 50/60Hz				
<b>Accessories</b>	Power cord x1, Operation manual x1, RS-232 cable x1, Software CD x1				
<b>Dimension</b>	215x89x412mm				
<b>Weight</b>	5.5kg				