

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

Introduction

TPW series is a high accuracy programmable DC power supply with single output. MPU control, RS-232/USB interface for PC control, the TPW series facilitates auto test and auto control. The commands of the TPW 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 TPW 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
- ✓ 122*32 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

Product photo

TPW-6015



Specifications

Model	TPW-1560	TPW-3030	TPW-6015	TPW-3020	TPW-6010
Rated output (0℃~40℃)					
Voltage	0~15V	0~30V	0~60V	0~30V	0~60V
Current	0~60A	0~30A	0~15A	0~20A	0~10A
OVP	0.1~18V	0.1~34V	0.1~64V	0.1~34V	0.1~64V
OCV	0.1~62 A	0.1~34A	0.1~17A	0.1~24A	0.1~12A
Constant Voltage Operation					
Line regulation	≤0.01%+4mV			≤0.01%+3mV	
Load regulation	≤0.1%+5mV				
Ripple & Noise	2mVrms, 30mVpp(20Hz~20MHz)				
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	Voltage	±(0.03% of reading + 10mV) (25±5℃)			
	Current	±(0.3% of reading + 10mA) (25±5℃)			
Reading accuracy	Voltage	±(0.02% of reading +5mV) (25±5℃)			
	Current	±(0.05% of reading +10mA) (25±5℃)			
Protection		Over load, over voltage, over current, over temperature and reverse polarity protections			
Programming interface		USB or RS-232, support SCPI commands			
Memory		100 sets			
Insulation		Between terminals and chassis/other terminals: ≤60VDC			
Power source		AC220V±10%, 50/60Hz			
Accessories		Power cord x1, Operation manual x1, RS-232 cable x1, Software CD x1			
Dimension		230x110x420mm			230x110x370mm
Weight		5.5kg			4.5kg