

Switching Mode DC Power Supply

PROGRAMMABLE, HIGH PRECISION



PPS SERIES

0~20V~150V

0~6A~60A

600W / 900W



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 TFT LCD display
- High speed rotary dial and keypad input
- Built-in beeper alarm
- Panel lock and output ON/OFF function
- List mode function, 300 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 USB host interface for data storage and recall from external USB flash driver
- Standard RS-232 interface, support SCPI commands, support Labview
- Standard 0-5V analog control
- Optional RS-485 interface, support Modbus
- Optional RS-232 to USB cable
- Optional 3U / 4U rack for cabinet installation

Switching Mode DC Power Supply

PROGRAMMABLE, HIGH PRECISION

SPECIFICATIONS

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

SELECTION GUIDE

Model	PPS-2030	PPS-3010	PPS-3020	PPS-6010	PPS-8008	PPS-1560	PPS-2045	PPS-3030	PPS-6015	PPS-8011	PPS-12H75	PPS-15H60
Output voltage	0~20.5V	0~31V	0~31V	0~60.5V	0~80.5V	0~15.5V	0~20.5V	0~31V	0~60.5V	0~80.5V	0~121V	0~151V
Output current	0~30.5A	0~11A	0~21A	0~10.5A	0~8.0A	0~60.5A	0~45.5A	0~31A	0~15.5A	0~11.5A	0~7.6A	0~6.1A
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	0.1~132V	0.1~160V
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	0.1~8A	0.1~6.6A
Setting resolution	1mV/1mA										10mV/1mA	
Reading resolution	1mV/1mA										10mV/1mA	
Dimension (WxHxD)	215x89x352mm					215x89x412mm						
Weight	4.5kg					5.5kg						