



DC Power Supply PDS Series

This series of products is a programmable DC switching power supply with high accuracy and single output. It is light and compact, adjustable in voltage and current, and has multiple operating modes. The whole system is completely controlled by the microprocessor (mpu), and can easily use the communication interface (rs-232) to connect with the computer (pc) to meet the user's requirements for automatic testing and automatic control. The software instructions are completely in accordance with the scpi command. The format makes it easy for users to develop automatic test and automatic control applications. Due to the full digitalization of the system, the data input is completely controlled by the

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keyboard and knob, which is fast, accurate and convenient. Can be widely used in electronic product development, device testing, communications industry, laboratories and scientific research institutions.

Description

Review

- Voltage 1mV current 1mA resolution, high precision display;
- Output switch control, easy control;
- Numeric keypad and knob two ways to set the voltage and current;
- Intelligent temperature control fan, extremely practical;
- 100 sets of voltage and current storage call out function, convenient and quick;
- The knob adopts the code switch, which is convenient to use and has the function of preventing misadjustment;
- Voltage compensation function ensures high precision;
- Over voltage, over current, over temperature protection function.

Model	Voltage	Current	OVP	OCP
Rated DC output (0°C~40°C)				
PDS-2030	0~20V	0~30A	0.1~24V	0.1~34A
PDS-3020	0~30V	0~20A	0.1~34V	0.1~24A
PDS-6010	0~60V	0~10A	0.1~64V	0.1~12A
PDS-1560	0~15V	0~60A	0.1~18V	0.1~62A
PDS-3030	0~30V	0~30A	0.1~34V	0.1~34A
PDS-6015	0~60V	0~15A	0.1~64V	0.1~17A
PDS-8010	0~80V	0~11A	0.1~88V	0.1~12A
Power effect	Voltage	≤0.01%+10mV		
	Current	≤0.2%+10mA		
Load effect	Voltage	≤0.1%+5mV		
	Current	≤0.2%+5mA		
Ripple and noise	Voltage	2mVrms,30mVpp		
	Current	≤10mA _{rms}		
Setting precision	Voltage	±(0.03%of reading+10mV)(25±5°C)		
	Current	±(0.3%of reading+10mA)(25±5°C)		
Setting resolution	1mV / 1mA			
Voltage Recovery time	≤1.5ms(50%loadchange)			
Voltage Temperature coefficient	≤300ppm/°C			
Accuracy of reading	±(0.02%ofreading+5mV)(25±5°C);±(0.05%ofreading+10mA)(25±5°C)			
Protection	Overload protection, polarity reverse protection, overvoltage protection, overcurrent protection, overheat protection			
Interface	Standard RS-232, support SCPI instruction set, analog control interface (optional)			
Storage redeployem	100 groups			
Operating environment	Indoor use , altitude : ≤2000m , ambient temperature : 0~40°C Relative humidity : ≤80% , Install level : II , Degree of pollution : 2			
Storage environment	ambient temperature : -10~70°C , relative humidity : ≤70%			
Power input	AC 220V±10%,50/60Hz			
Accessories	user manual*1pc, power cord*1pc			
Instrument size (W*H*D)	mm	220*150*400		
Packing size (W*H*D)	mm	310*200*480		
Net weight	kg	4.6		
Gross weight	kg	5.6		


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