Programmable Single Channel DC Power Supply

PDS Series

- Voltage 1mV current 1mA resolution, high precision display
- Set voltage and current in two ways; digital keyboard and knob
- 100 sets of voltage and current storage call out function, convenient and quick
- Voltage compensation function ensures high precision

- Output switch control, easy to control
- Intelligent temperature control fan, extremely practical
- The knob adopts the code switch, which is convenient to use and has the function of preventing misadjustment
- Over voltage, over current, over temperature protection function

Standard RS232 ☑ SENSE ☑   **Optional** Analog control ☐

Model	Voltage	Current	OVP	OCP
Rated input voltage	AC220V±10%			
Rated DC output (0℃~40℃)				
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	≤10mArms
Setting precision	Voltage	±(0.03%of reading+10mV)(25±5℃)
	Current	±(0.3%of reading+10mA)(25±5℃)
Setting resolution		1mV / 1mA
Voltage Recovery time		≤1.5ms(50%loadchange)
Voltage Temperature coefficient		≤300ppm/℃
Accuracy of reading		±(0.02%of reading+5mV)(25±5℃);±(0.05% of reading+10mA)(25±5℃)
Protection		OLP, OVP, OCP, OTP, RP
Interface		Standard RS-232, support SCPI instruction set, analog control interface (optional)
Storage redeployment		100 groups
Operating environment		Indoor use , altitude : ≤2000m , ambient temperature : 0~40℃ Relative humidity : ≤80% , Install level : II , Degree of pollution : 2
Storage environment		ambient temperature : -10~70℃ , 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