

DP1308A Programmable DC Power Supply



Product Dimension: Width×Height×Depth = 235mm×155mm×384mm Weight: 8.5 kg

► Application Areas

- Production Research and Development
- Industry Control
- Radio and TV Transmitting
- Telecommunication Base Station
- Military Industry and Railroad
- Mobile Communication

► Features and Benefits

1. 4.3 inch 16M TFT LCD, Up to 480×272 resolution displays information clearly
2. Each Channel is programmable and can be operated alone or simultaneously, total output power up to 80W
3. Outstanding performance, powerful function, human oriented design
4. Comprehensive self-protection mechanism, includes OVP, OCP, OTP
5. Support USB flash drive, easy for storage and recall of system configuration
6. Complete Connectivity: USB Device, USB Host, LAN(LXI-C Class), GPIB
7. Industry leading program control design, support SCPI command, certificate LXI-C Class instrument standard

► Specifications

Model	DP1308A		
Channel	+6V	+25V	-25V
DC Output (0°C to 40°C)			
Voltage	0~+6V	0~ + 25V	0 ~ -25V
Current	0~5A	0~1A	0 ~ 1A
Over-voltage Protection	0.1V ~ 6.5V	0.1V ~ 27V	-0.1V ~ -27V
Over-current Protection	0.1A ~ 5.5A	0.1A ~ 1.2A	0.1A ~ 1.2A
Load Regulation ± % of output + offset			
Voltage	<0.01%+2mV		
Current	<0.01%+250μA		
Line Regulation ± % of output + offset			
Voltage	<0.01%+2mV		
Current	<0.01%+250μA		

Ripple and Noise (20Hz ~ 20MHz)			
Normal Mode Voltage		<350 μVrms / 2mVpp	
Normal Mode Current		<2 mArms	<500 μArms
Common Mode Current		<1.5 μArms	
Accuracy ^[N] 12 Months (25°C + 5°C), ± (% of output + offset)			
Programme	Voltage	0.1%+5mV	0.05%+20mV
	Current	0.2%+10mA	0.15%+4mA
Readback	Voltage	0.1%+5mV	0.05%+10mV
	Current	0.2%+10mA	0.15%+4mA
Resolution			
Programme		0.5mV / 0.5mA	1.5mV / 0.1mA
Readback		0.5mV / 0.5mA	1.5mV / 0.1mA
Electric Meter		1mV / 1mA	10mV / 1mA
Instant Response Time			
When output current change from FULL load to HALF load, or from HALF load to FULL load, the output voltage takes less than 50μs to restore to 15mV or less			
Temperature Coefficient per°C (%output + offset)			
Voltage		0.01%+2mV	0.01%+3mV
Current		0.02%+3mA	0.01%+0.5mA
Power			
AC input (50Hz - 60Hz)		100Vac ± 10%, 115Vac ± 10%, 220Vac ± 10%, 230Vac ± 10%	

[N]: Accuracy parameter is acquired at 25°C after 1 hour of pre-heating.

► Advanced Performance



Apply 4.3 inch 16M TFT LCD, with 480x272 resolution displays information vividly and clearly.



Each channel of DP1308A can be set for timing output, user can start this function and simulate real power status through voltage, current and time settings.



Waveform display function can show the Voltage/Current waveform in real-time, combine numeric display of voltage, current and power value, users can understand the output status clearly.



\pm 25V channels of DP1308A support voltage track mode, any change of the signal in proper range will be reflected in other channels.



DP1308A support 4 groups of system setting storage and recall using the internal memory, make it easy for user to configure the instrument.