

Programmable DC Bench Top Power Supply

multicomp^{PRO}

RoHS
Compliant



Application

- Military R&D
- Quality Inspection
- Circuit Functional Testing
- Automotive Circuit Testing
- Education and Technical Training
- Electronic component testing and aging experiment
- Monitoring battery charging curve

Features

- Small body for easy carry
- High resolution: 10mV / 1mA
- List waveform editing output, editable 10 groups of timing output function
- Low ripple / noise
- Over voltage / over current protection
- Output voltage and current curve monitoring function
- Intelligent temperature control fan cooling
- 2.8-inch TFT LCD display
- USB communication interface, support SCPI

Performance Specifications

Channel	Single Channel Output
Total Output Power	300W
Channel Output	0 - 30V / 0 - 10A
USB Output	5V1A
Display	2.8 inch color LCD display
Dimension	82mm(L) × 142mm(H) × 226mm(D)
Weight	Approx. 1.5kg
Interface	USB

The instrument must be operated continuously for more than 30 minutes at the specified temperature to ensure the following parameters.

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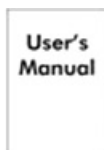
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Rated Output (0°C-40°C)	Voltage	0 - 30V
	Current	10A
	Power	300W
Load Regulation	Voltage	≤30mV
	Current	≤20mA
Power Regulation	Voltage	≤30mV
	Current	≤20mA
Setting Resolution	Voltage	10mV
	Current	1mA
Readback Resolution	Voltage	10mV
	Current	1mA
Setting Accuracy	Voltage	≤0.1% ± 20mV
	Current	≤0.1% ± 10mA
Readback Accuracy	Voltage	≤0.1% ± 20mV
	Current	≤0.1% ± 10mA
Ripple/Noise(*)	Voltage(Vp-p)	≤30mVp-p
	Voltage (rms)	≤3mVrms
	Current	≤30mA _{p-p}
Output temperature coefficient (0°C-40°C)	Voltage	100ppm/°C
	Current	200ppm/°C
Readback temperature coefficient	Voltage	100ppm/°C
	Current	200ppm/°C
Response Time(50%-100% rated load)		≤1.0ms
Storage		4 groups of data
Working Temperature		0°C to 40°C

Accessories



Power Cord



User Manual



Fuse



Test Leads (optional)

Part Number Table

Description	Part Number
Programmable DC Bench Top Power Supply, 1 channel, 30V, 10A	MP711057

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