



LP Series Programmable DC Power Supply

LP series programmable DC power supply is a linear DC power supply featured by its 3U height, ultrahigh resolution and accuracy, SCPI standard communication protocol, flexible match with any other instruments, and integration for testing system of special function.



Features

- * Low ripple and noise.
- * High resolution and accuracy (0.1 mV, 0.01 mA).
- * Built-in high-accuracy 5 1/2 digit DC voltmeter.
- * Support for high-accuracy & dynamic programming output.
- * High brightness vacuum fluorescent display (VFD), four rows of 8-channel simultaneous data output.
- * Duel-channel output can be connected in series or parallel to achieve single channel output (External wiring is required).
- * Operating temperature is up to 50 °C.
- * Smart cooling system: the fan will automatically turned on/off according to temperatures.
- * Support for externally triggered input and output (Optional).
- * Start Up self diagnosis, and 19" standard equipment rack design.
- * Use SCPI standard communication protocol.
- * Built-in RS232 communication interface (port).

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Model	LP100VDC150W	LP100VDC300W	LP75VDC300W
Input Voltage Range	220VAC \pm 10%/110VAC \pm 10%	220VAC \pm 10%/110VAC \pm 10%	220VAC \pm 10%/110VAC \pm 10%
Input Frequency Range	47~63Hz	47~63Hz	47~63Hz
Rated Output Power	150W	300W	300W
Channel	Single Channel	Dual Channel	Dual Channel
Voltage Rated Output	0~100V	0~100V	0~75V
Current Rated Output	0~1.5A	0~1.5A	0~2A
Voltage Load Regulation	<0.02%+2mV	<0.02%+2mV	<0.01%+0.5mV
Current Load Regulation	<0.01%+2mA	<0.01%+2mA	<0.01%+0.5mA
Voltage Setting Resolution	1mV	1mV	1mV
Current Setting Resolution	0.05mA	0.05mA	0.05mA
Voltage Measurement resolution	0.1mV	0.1mV	0.1mV
Current Measurement resolution	0.01mA	0.01mA	0.01mA
Voltage Setting Accuracy	0.01%+5mV	0.01%+5mV	0.01%+5mV
Current Setting Accuracy	0.05%+0.5mA	0.05%+0.5mA	0.05%+0.5mA
Voltage Measurement Accuracy	0.02%+12mV	0.02%+12mV	0.02%+12mV
Current Measurement Accuracy	0.05%+2mA	0.05%+2mA	0.05%+2mA
Voltmeter Accuracy	0~100V Accuracy:0.02%+5mV	0~100V Accuracy:0.02%+5mV	0~75V Accuracy:0.02%+5mV
Voltage Ripple	70mVp-p/5mVrms	70mVp-p/5mVrms	70mVp-p/5mVrms
Current Ripple	1mA	1mA	1mA
Temperature Coefficient	300ppm/ $^{\circ}$ C(TYP value)	300ppm/ $^{\circ}$ C(TYP value)	300ppm/ $^{\circ}$ C(TYP value)
Storage Temperature	-20~70 $^{\circ}$ C	-20~70 $^{\circ}$ C	-20~70 $^{\circ}$ C
Operating Environment	0~50 $^{\circ}$ C 0~95%RH	0~50 $^{\circ}$ C 0~95%RH	0~50 $^{\circ}$ C 0~95%RH
Cooling	Forced air cooling	Forced air cooling	Forced air cooling
Weight	12.2kg	19.2kg	19.2kg
Dimensions (W x H x D)	482.0*133.0*477.0mm		
Certification	CE		

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