



19" RACK ADAPTABLE REGULATED DC POWER SUPPLIES 30W TO 300W



FEATURES

- 19" Rack Adaptable - 3U High
- Digital Output Metering 3 Digit DPM
- Constant Voltage / Constant Current Operation
- High Stability and Close Regulation $\pm 0.01\%$
- Proven Reliability and Endurance
- 3U High
- Remote Sensing Facility for 5A & Above Rating Models

The New Series offers a range of Linear DC Regulated Power Supplies for use in Laboratories & Industries. Output voltage and current values are displayed on a 3 digit DPM.

These table top units are designed for 19" Rack Mounting.

There are fifteen models to choose from, with output power ranging from 30 watts to 300 watts. Output voltages of 0-16V, 0-32V, 0-64V and 0-128V DC are available for single output supplies. There are Six Dual output models with two independent isolated outputs. These outputs could be connected in series or parallel to double the voltage or current. A special model, LQ6324

with four independent outputs, has been designed for computer lab. All the models operate in either constant voltage or constant current mode and are fully protected against continuous output short circuit and overload.

DIGITAL LAB SUPPLIES are being sold all over the world since 1974 and several thousand units are currently in service.

OPTIONS AT EXTRA COST

- 1) 19" Rack mounting only for PS with 430mm width.
- 2) Over voltage protection.
- 3) Input 115V AC $\pm 10\%$.

DIGITAL LAB SELECTION GUIDE

SINGLE OUTPUT 30-300W				
OUTPUT	DC OUTPUT		DIMENSIONS W x H x D (mm)	MODEL
	VOLTAGE	CURRENT		
16V	0-16V	0-2A	210 x 133 x 250	L1602
	0-16V	0-6A	310 x 133 x 250	L1606
	0-16V	0-10A	430 x 133 x 280	L1610
32V	0-32V	0-1A	210 x 133 x 250	L3201
	0-32V	0-2A	210 x 133 x 250	L3202
	0-32V	0-5A	430 x 133 x 250	L3205
	0-32V	0-10A	430 x 133 x 280	L3210
64V	0-64V	0-1A	210 x 133 x 250	L6401
	0-64V	0-3A	430 x 133 x 280	L6403
	0-64V	0-5A	430 x 133 x 250	L6405
128V	0-128V	0-1A	210 x 133 x 350	L1281
	0-128V	0-2.5A	430 x 133 x 250	L1282

DIGITAL LAB SELECTION GUIDE

DUAL OUTPUT				
OUTPUT	VOLTAGE	CURRENT	DIMENSIONS W x H x D (mm)	MODEL
2	0-32V	0-1A	430 x 133 x 250	LD3201
	0-32V	0-2A	430 x 133 x 250	LD3202
	0-32V	0-3A	430 x 133 x 280	LD3203
	0-32V	0-5A	430 x 133 x 450	LD3205
2	0-64V	0-1A	430 x 133 x 250	LD6401
	0-64V	0-2A	430 x 133 x 280	LD6402
4	I 0-32V	0-2A	430 x 133 x 250	LQ6324*
	II +12V/+15V	0.5A		
	III -12V/-15V	0.5A		
	IV +5V	5A		

* Load Regulation to be measured at sense terminals wherever provided.

** O/P I : CV-CC type.
O/P II, III, IV : Fold back type
Load regulation $\pm 0.1\%$
Line regulation $\pm 0.1\%$.

SPECIFICATIONS

Output Voltage & Current : See Selection Guide.

Metering : 3 Digit DPM.

Meter Accuracy : ± 3 counts.

Constant Voltage Mode :

Regulation :

Line : $\pm 0.01\% \pm 2\text{mV}$ for $\pm 10\%$ change in line output.

Load : $\pm 0.01\% \pm 2\text{mV}$ for load change from zero to full load.

Ripple & Noise : 1mV rms max. 20Hz - 20MHz.

Constant Current Mode :

Regulation :

Line : $\pm 0.1\% \pm 250\mu\text{A}$ for $\pm 10\%$ line change.

Load : $\pm 0.1\% \pm 250\mu\text{A}$ for change in output voltage from 0 Volts to maximum output voltage.

Ripple & Noise : 0.04% rms.

Mode Indication : LED indication for constant voltage / constant current operating mode.

Output Polarity : Floating w.r.t. ground.

Overload Protection : Automatic overload and short circuit protection.

Transient Response : 100 μs to within 10mV of set output voltage for load change from 10% to 90%.

Stability : Total drift within 8 hours, after warm-up.

< $\pm 0.2\%$ plus 5mV in constant voltage mode.

< $\pm 0.5\%$ plus 5mA in constant current mode with constant line, load and ambient temperature conditions.

Operating Temperature : 0-50°C.

Overvoltage Protection : Provided on 5V rail in LQ6324.

Line Voltage : 230V AC $\pm 10\%$ 50Hz, single phase.

NOTE : REGULATION TO BE MEASURED AT SENSE TERMINALS.

CUSTOM CAPABILITY : SPECIAL VOLTAGE AND CURRENT RATINGS AVAILABLE ON REQUEST.