



LABPOWER SERIES power supplies are Variable Voltage, High Current Switch Mode Power Supplies with remote sensing and control capabilities. They are housed in 2U high slide in type standard 19" half rack enclosures which can also be used for bench top application. It is also available in vertical table top version enclosures.

These Units are designed with highly efficient Power Factor Corrector at the input side. Its unique current limiting protection enables the output current to remain stable, while its output voltage decreases to a safe level to ensure its smooth operation.

LABPOWER Series power supplies come with one set of main output terminals at the rear and one set of auxiliary terminal on the front. The voltage and current are displayed on the front panel using 3 digit seven segment LED displays. The Voltage and Current setting is done using the FINE and COARSE multi turn Potentiometers. The Voltage can be set from 1 V onwards to its maximum rated level.

The remote sensing terminal on the front helps the user to compensate for the output line losses so that precise, regulated voltage can be made available for the desired load away from the power supply. The Output Voltage settings and its ON/OFF can be controlled through remote terminal.

Around nine standard models of these units offer the user a wide choice to choose from in addition to customization option.

LabPower Series Switch Mode Power Supplies with Remote Sensing

FEATURES

- **Elegant looks, Compact Size and Light weight**
- **Active PFC with universal input**
- **Remote sensing for remote point of regulation and remote ON/OFF**
- **Over load, Over Temperature and Short circuit protected**
- **Thermally controlled variable speed cooling fan**
- **Enclosure to suit rack and bench top applications**
- **Available in horizontal and vertical type enclosures**
- **Conforms to EN 55022, EN 60950, IEC 61010**

Electrical Specifications

Specifications

Model	LP1560	LP3230	LP6015
Input	90V to 265 VAC, Single Phase, 47Hz to 63Hz		
Input Power Factor	Better than 0.97		
Output Voltage	1-15V DC	1-32V DC	1-60V DC
Output Current Main O/P	60.0A	30.0A	15.0A
Aux. O/P	5.0A	3.0A	1.5A
Total	60.0A	30.0A	15.0A
Load Regulation for the main Output	0.1% + 5mV		
Line Regulation for the main Output	0.05% + 3mV		
Ripple & Noise (Peak to Peak)	30mV peak to peak		
Efficiency	Better than 85%		
Metering Voltage	Three Digit Seven Segment LED Display		
Current	Three Digit Seven Segment LED Display		
Accuracy	+ 1% plus One count		
Protection	Over Load (Constant Current), Short Circuit, Over Voltage & Over Temperature		
Cooling	Thermally controlled variable speed fan		
Special Feature	Remote Sensing, Remote O/P Voltage control, Remote ON/OFF		
Size Rack/Horizontal Model	88mm (H) x 215mm (W) x 380mm (D)		
Vertical Model	215mm (H) x 88mm (W) x 380mm (D)		
Weight	4.50kGs.		



POWER CONTROLS & CONVERSION DIVISION

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