

# Power Supply

## Variable, 0-10V. 10A. DC



### LB2663-102 General Purpose 0-10V 10A DC Power Supply

#### Description:

This IEC **DC Power Supply** is intended to be used in a classroom environment and is suitable for most laboratory experiments where smooth adjustment from zero up to 10 volts DC is required at about 10 amps maximum.

The DC output is full wave rectified but not smoothed. The digital red LED voltmeter and ammeter monitor output voltage and current at all times. Strong 4mm, socket head, spin free terminals are provided for the DC output. Output protection is by circuit breaker which can be used as a convenient output on/off switch.

The output is smoothly adjustable by variable transformer from zero up to over 10V.DC. The DC output is full wave rectified but not filtered. AC output is not provided.

NOTE: This Power Supply is available also with AC output using 2x 4mm socket terminals. The AC output volts and amps are not metered.

Length: 325mm	Width: 175mm	Height: 110mm	Weight: 5.3kg
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### Operating Instructions:

This unit is intended to be used in a classroom environment, under close supervision from a responsible adult.

Plug 240V Mains cable into socket on the rear of the unit and into the outlet on the wall.

Check the power switch at the front of the unit is OFF.

Connect load to the 4mm DC sockets on the front of the unit, either by banana plugs or clamping stripped wire under the terminal nuts.

Switch the Power ON at the front of the unit and rotate the knob to set the voltage to the required level.

Voltage and current can be monitored with the digital meters on the front of the unit.

If the Output power protection circuit-breaker trips, fix the fault and reset the circuit breaker.

Switch OFF power to adjust any connections to the load.

### Cleaning:

To clean the unit, switch OFF at the power outlet on the wall and wipe over with a damp cloth.

Do not immerse unit in water at any time.

### Maintenance:

There are no user serviceable parts in this unit. Please send to manufacturer for repair.

### Technical Specifications:

**Input:** 220/240V.AC. 50/60Hz 0.8Amp

**Cable:** Australia certified supply cord must be used.

**On/Off:** Mains ON/OFF rocker switch.

**Output:** DC ONLY, Adjustable 0-10V.DC at 10 amps 50% duty cycle.  
DC output is full wave rectified but not smoothed  
NOTE: AC output not provided. Other IEC models are available that include 4mm AC output terminals.

**Protection:** Overload protection is by a fast, lever operated magnetic circuit breaker.

**Metering:** Red LED digital meters monitor both DC volts and DC amps.

Designed and manufactured in Australia