

Power Supply Selectavolt



LB2635-001

Description:

The IEC 'Selectavolt' Regulated Power Supply is a robust and compact unit and is designed for general school laboratory use. It is suitable for most laboratory experiments where voltages of 1.5V, 3V and 6V are required with a current of 2 amps.

To avoid the student adjusting output voltage and spoiling the experiment or the apparatus being used, the regulated output voltage is selected by a small slide switch on the rear panel of the unit.

Terminals are provided on the front panel for the 2 amp DC continuous output (3 amp short duration). The front panel terminals are 4mm socket head, spin free design. Overload protection is automatic.

NOTE: On the rear panel, a special low current regulated output is provided that can be used for charging 1.5V to 6V Nickel Cadmium cells.

The Meaning of 'Regulation':

The term 'regulated' means that the output voltage is ripple free (same as a battery) and does not alter whether the power supply is fully loaded or at no load. This is performed by electronic circuitry and is necessary when the output is used for electronic experiments.

With unregulated power supplies, the output voltage falls as the load is increased.

Length: 180mm	Width: 180mm	Height: 80mm	Weight: 1.7kg
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Specifications:

Input:

220/240V.AC. 50/60Hz 0.5 Amp. Fixed mains cable.

On/off:

By illuminated mains on/off rocker switch.

Outputs:

DC output is electronically regulated to maintain the correct output voltage regardless of load.

On the rear panel, the output is switch selected to provide: 1.5, 3, 6V.DC. at 2 amps continuous or 3 amps for short duration (10 min).

Front panel LEDs indicate the regulated voltage selected.

A special DC output is provided on the rear panel for slow charging 1.5V to 6V NiCad cells. Maximum current available from these 4mm sockets is 40 milliamps.

Protection: Overload and short circuit protection is electronic and automatic. If overload occurs, the output is shut down. Important note: Overload must be removed before the output can restore.

IEC manufactures many types of regulated and unregulated power supplies for educational use.
Ask your IEC dealer for more information on our range.

Designed and manufactured in Australia