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Product Name :

Precision Switched Power Supply

Product Code :

SLE/EAM/04



Science Lab
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Description :

Precision Switched Power Supply (Product Code: SLE/EAM/04) is a compact bench unit that gives a fully smoothed, regulated DC output from 0 to 15 V, plus separate unregulated 6 V and12 V AC outlets, for student practicals and teacher demonstrations. It is the switched-outputmember of a series that is also offered with a continuously variable control, and it suits schoolsand colleges that want one regulated power supply able to handle everything from low-currentresistor circuits to high-current electromagnetism work. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)** in Ambala, India.

Specifications

Parameter	Detail
DC output voltage	0 to 15 V DC, fully smoothed and regulated
Output selection	Switched output on this model; the same design is also offered with continuously variable DC
DC output current	8 A maximum, 6 A continuous
AC outputs	6 V and 12 V AC, unregulated, 1.5 A maximum; can be used in parallel with the DC output
Load regulation	Maximum voltage variation with load current: 2%
Ripple	300 mV maximum at full current
Display	Built-in digital panel meter showing the DC output in use at all times (DC only)
DC current protection	Electronic and automatic: above 8 A the output voltage falls to zero and returns once the current is reduced, with no resetting
AC current protection	Thermal, automatic
Voltage limiter	Adjusted with an Allen key through the front panel; the main control works normally up to the set ceiling and gives no increase beyond it
Mains input	90–265 V AC, 50/60 Hz
Controls	Clear, simple controls with an illuminated front-panel mains switch
Case	Robust powder-coated steel with integral plastic handle and removable mains lead
Dimensions	125 x 175 x 230 mm
Weight	2.2 kg
Storage	Four units fit in a single storage tray

Typical Use

Because the output is regulated, the voltage set on the panel meter is held steady whatever is conn get consi natur