

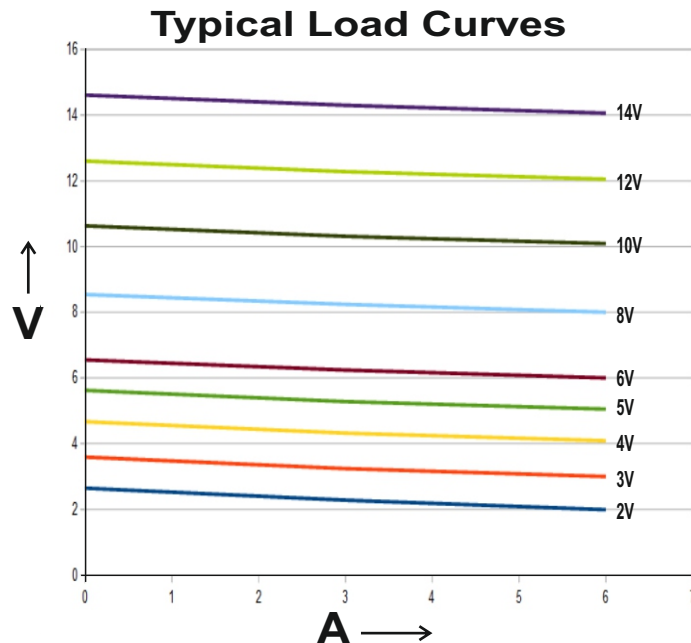
PowerPro Regulated



- ▶ Output voltage: 2-14 V ac/dc in 9 steps
- ▶ Regulated dc output with < 700 mV drop on full load
- ▶ Current Output: 6 A maximum (combined ac/dc)
- ▶ Shrouded sockets
- ▶ ProLock voltage limiter sets a chosen maximum output
- ▶ Internal fan for cool running
- ▶ Designed specifically for use in school/college laboratories
- ▶ Stackable metal case with integrated ABS carry handles
- ▶ Detachable IEC mains cable
- ▶ **18 month manufacturer's warranty**



CE & CSA Certification
to BSEN61010-2010
(EN 61010-1:2010 3rd Edition)



TRIPLE PROTECTION:

- ▶▶ Resettable thermal trip for outputs
- ▶▶ Slow-blow fuse on mains input
- ▶▶ Split bobbin transformer with internal resettable fuse

POWERPRO REGULATED POWER SUPPLY

Ideal for applications where a more refined low voltage power supply is required, e.g. for experiments involving calculations of electrical energy, and Ohm's Law investigations.

The PowerPro Regulated power supply offers 2-14 V ac and fully regulated dc output. It is ideal for use in experiments that require a more constant voltage.

The ProLock voltage limiter allows the technician/teacher to set the maximum output available.

The unit has dual overload protection in the form of a resettable thermal cut out and an internal thermal fuse.

Outputs

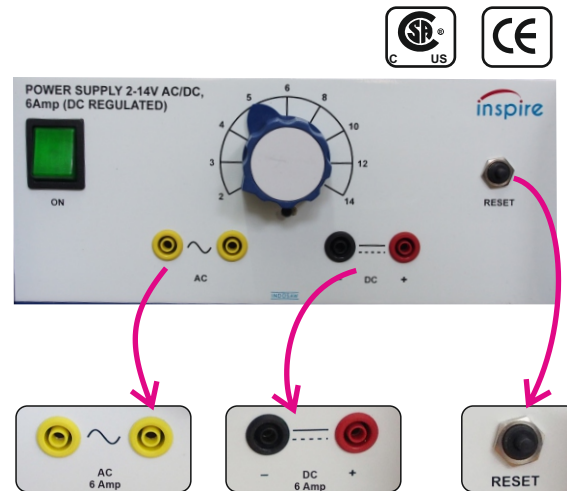
The outputs can be switched to 2, 3, 4, 5, 6, 8, 10, 12 and 14 V.

The output can be switched under load.

The dc output is full wave rectified, smoothed & regulated within 700 mV.

The output should be monitored with a voltmeter for accurate work.

Both ac and dc outputs may be used at the same time provided the total current is 6 A or less.



Overload reset

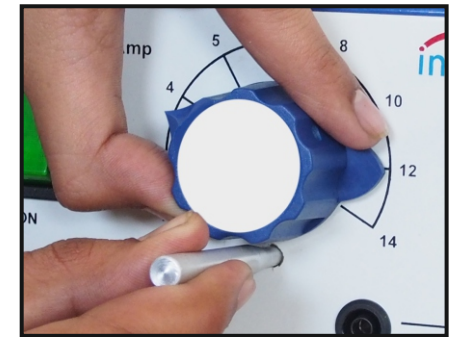
If the power supply is overloaded or accidentally short circuited, it is protected by the overload reset switch.

To reset, remove the cause of the problem, wait a short while for the thermal trip to cool then press the RESET button and resume normal use.

ProLock voltage limiter

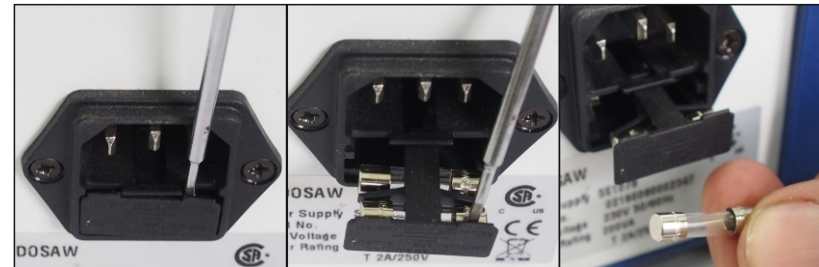
The output voltage can be limited to a chosen maximum. This prevents students exceeding the voltage limit set by the teacher.

The voltage control has a pointer disc behind it. The limit is set by pressing the aluminium key firmly into the lock recess and turning the pointer disc to the desired setting. Removing the key locks the disc.



Fuse replacement

The mains socket on the back panel has a compartment for two fuses. It can be opened using a flat bladed screwdriver as shown. The front fuse is a spare. It is a 5 x 20 mm time delay or "slow blow" T2A 250V fuse.



IEC mains lead

This is protected by a standard 3A 250V fuse in the mains plug.

Power input : 200 VA
Dimensions : 335 x 265 x 135 mm
Weight : 6.7 kg

Operating temperature range: 5°C to 40°C
Operating humidity range: upto 80% RH
For Indoor use only

WEEE directive

This symbol indicates that the electronic equipment should not be disposed of in the normal waste. It should be recycled in accordance with the WEEE directive.

