



- **Extremely robust design for school science labs**
- **AC or DC variable output**
- **Full teacher control and monitoring**
- **Lockable door**
- **ISO9001 design management system**
- **Designed and manufactured in New Zealand**
- **Exceeds EMC standards**
- **Guideline: approx. 12 student stations per unit**

This unit to be installed in conjunction with overload/short circuit protected student outlets which are fitted to laboratory benches.

◆ 24 Month Warranty

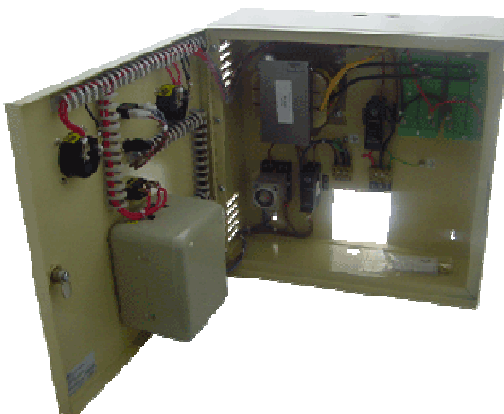
**SPECIFICATIONS** All specifications are typical at nominal input, full load and at 20°C unless otherwise stated.

ELECTRICAL	
<b>AC Input</b>	230VAC ± 5%
<b>Input switch</b>	Illuminated ON/OFF switch
<b>Fusing / Protection</b>	Input fuse 6A, variac output fuse 5A, AC/DC output fuse 25A
<b>Isolation</b>	1KV DC input - output / earth
<b>Output</b>	DC or AC by selector switch
<b>Safety Timer</b>	60 minute delay off timer to auto power down
<b>Overload protection</b>	Fuses as above, student stations have individual resettable circuit breaker
<b>Load regulation</b>	< 5% open circuit to full load
<b>DC ripple</b>	< 15% peak - peak

PHYSICAL	
<b>Input connector</b>	Screw/clamp terminal block
<b>DC Connections</b>	Screw/clamp terminal block, max wire 10mm
<b>Enclosure</b>	Powdercoated mild steel cabinet, with lockable front door
<b>Dimensions (WxHxD)</b>	420 x 400 x 160 mm
<b>Weight (approx.)</b>	24Kg
<b>Mounting</b>	Predrilled holes in back for wall mounting. If the power supply is to be mounted inside another cabinet, allow approx. 100mm minimum clearance around all four sides and ventilation holes at top and bottom of cabinet.

STANDARD MODEL TABLE			
MODEL	Output Voltage	Output Current	Power (watts)
<b>FOPBBM1</b>	0 - 15VDC 0 - 12V AC	0 - 20A	300 240

CONTROLS & INDICATION	
<b>AC / DC Select</b>	Selector switch on front panel
<b>Meters</b>	AC & DC voltmeters
<b>Indicators</b>	Neon POWER ON indicator



**PROTECTED STUDENT OUTLETS (ORDERED SEPARATELY)**

The Student Outlet Stations consist of a standard fitting electrical 'flush box' with front mounted flush plate. Outputs are by 'binding post' terminals which incorporate 'banana plug' sockets.

For protection against overload and short circuit, each station incorporates a circuit breaker rated at 5A as standard. Circuit breakers are front resettable and are not able to be jammed closed.

**Order code: FOPBBM2**

