EBE, **External Battery & Power Enclosure**

The EBE is designed to provide –48Vdc or +24Vdc back-up power to communications, IT, or industrial equipment in harsh or outdoor environments. Typical applications include cellular BTS (base station transceivers), road traffic control signals, data and metrological equipment, and industrial process control. It is suited to any application where dc power is required in an environmentally harsh situation.

The enclosure is designed to resist the rigours of the environment, and is made from corrosion resistant marine grade aluminium. A double skin design ensures heating from solar radiation is minimised, and secure 3 point locking system keeps vandals from gaining access to the equipment within.

DC powered and thermostatically controlled fans; remove waste heat through a specially protected filter system. The enclosure will ensure rain, moisture and dust is kept well away from the DC power equipment inside.

Eaton’s latest technology APS (Access Power System) with hot-swappable APR48 rectifier modules and SM40/45 controller, ensures a highly reliable dc power source for your equipment. When combined with Eaton’s PW range SLA batteries you have a fully un-interruptible power system.

**Features**
- Marine grade aluminium construction
- Attractive Powder coat finish
- Vandal resistant 3 point locking
- Galvanised steel base
- Fan cooling for heat removal
- Filtered air inlet
- Double skin solar shielding
- -48Vdc 4500W or +24Vdc 2250W, 93A rectifier capacity
- 450Ah (48V) or 900Ah (24V) battery capacity
- Remote monitoring and control
- Specialized battery charging and maintenance routines
## Technical Specification

### Brief Technical Specifications

**Mechanical**
- **Dimensions**: 825(w) x 1820(h) x 760(d) mm
- **Weight**: TBA kg
- **Capacity - Battery**: 48V x 450Ah or 24V x 900Ah (3 shelves of 4 x 12V 150Ah FT)
- **Capacity - Rectifier**: APS3, 3 x modules, 24V 93A or 48V 93A
- **Material**: 2.5mm marine grade aluminium
- **Colour & Finish**: Grey powder-coat to all external surfaces
- **Base**: 4mm MS hot dipped galvanised
- **Locking Mechanism**: 3 point stainless steel
- **Cooling Fan**: 123CFM, 48V radial, thermostat controlled
- **Protection Level**: Designed to comply with IP55

**Electrical**
- **DC Power System**: APS3 series, 93A, 24V (2250W) or 48V (4500W)
- **AC Input**: 220/240V 50/60Hz nominal (see APS spec for more detail)
- **Efficiency**: Typically > 90% for full load
- **Alarms**: 6 x volt free c/o relays or RS232
- **Options**: Low Volts Disconnect, Ethernet TCP/IP, AC switch board
- **Charging**: Temperature compensation, Fast charge, Equalize, Battery test
- **Meters and Adjustments**: LCD and membrane keypad. Also DC Tools software

**Environment**
- **Cooling**: Fan forced filtered air
- **Operating temperature**: -10°C to 55 °C
- **Internal temperature - equipment**: +10°C above ambient
- **Internal temperature – battery**: +4°C above ambient
- **EMC**: AS3548, CISPR 22 class B
- **Audible Noise**: 60dBA (with fans running)

### Product Range and Accessories

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Telstra Serial / Item number 27400689

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EBE B