



# Pole mounted BTS

Product code: A-PMB-0002\_VXu

The compact base-station equipment enclosure provides all the required AC and DC power distribution, backup power supply and cooling to support the electronic equipment making up a cellular base-station. The design is based on telecommunications equipment that fits into a standard 19-inch rack. The internal space requirement is user specified implying that enclosure can be used for almost any configuration of electronic equipment.

## Features:

- Compact base-station enclosure that can be mounted on a pole or a wall.
- Weatherproof enclosure for outdoor use (IP54).
- Quick and easy to deploy.
- Heavy duty stainless steel construction (3CR12).
- Bracket fastening points are located inside the enclosure to ensure that it is tamperproof.
- Device can accommodate any combination of 19" rack equipment (the space required is user-specified).
- Contains power supply distribution board (AC/DC) and battery backup (40Ah at 48V).
- Forced ventilation that is a very efficient cooling mechanism.
- These enclosures are ideal for implementing a base-station on new or existing infrastructure.
- Alarms are provided for:
  - door
  - cooling fans
  - temperature
  - current
  - bus voltage
  - battery mid-point voltage
- The built-in sensors monitor:
  - current
  - bus voltage
  - temperatures
  - battery mid-point voltage
- The following items can also be customised by the operator:
  - 6 user defined relay outputs
  - 6 digital inputs
  - 2 low voltage disconnect contactor outputs
  - An additional temperature sense input (to monitor an external temperature sensor).
  - 2 additional current sense inputs

## Application areas:

- Sites where a quick deployment of a base-station is required.
- Ideal for township and rural base-station implementation.
- Neatening up existing base-station sites.





**Specifications**

**Product Code:**

A-PMB-0002V4u	Pole mounted BTS with 4U space for operator equipment
A-PMB-0002V11u	Pole mounted BTS with 11U space for operator equipment
A-PMB-0002VXu	Pole mounted BTS where the space for equipment is specified by the operator

**Electrical:**

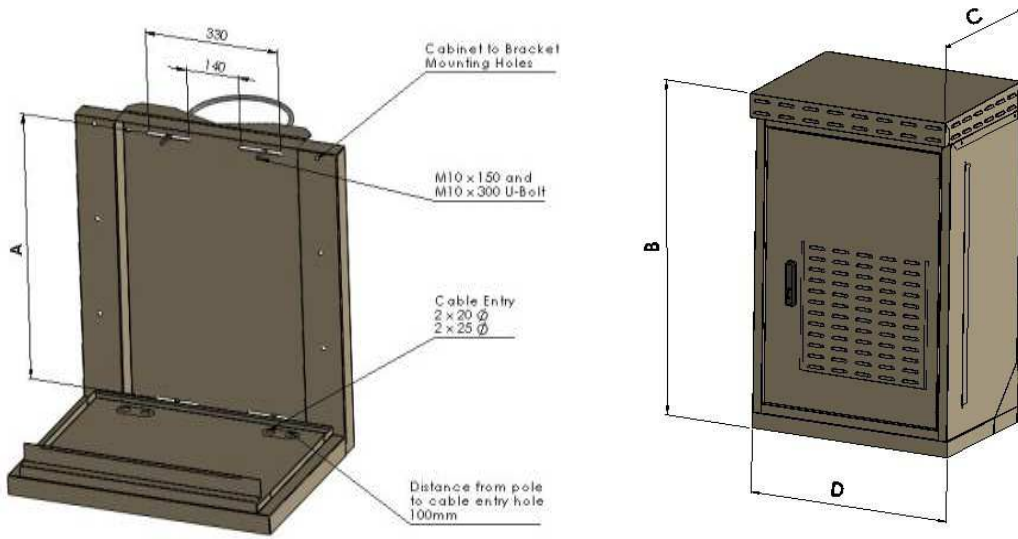
**Environmental:**

Battery	4 x 40Ah12V DC (deep cycle) giving 40 AH at 48 V <u>or</u> 4 x 100Ah 12V DC depending on requirements	Wind Loading	160 km/h
Distribution Board	2 x 32A/220V Circuit breaker.	Temperature Range	- 20° C to +70° C (enclosure only)
Connection points	6 x 48V DC with overload protection.	Shock	40G at 10 msec (enclosure only)
Cooling fans	4 x 48V DC fans which run via the battery backup supply which provide the forced cooling.	Thermal Shock	- 20° C to +70° C : 10 cycles (enclosure only)
Input Power	220V AC 50 Hz single phase	Water ingress	IP 54
Output power	2 x 1800W extendable by 1800W at 48V <u>or</u> 2 x 850W depending on requirements		
Alarms for:	Door; cooling fans; Temperature; current bus voltage; battery mid-point voltage		

**Mechanical:**

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Material	1.5mm stainless steel (3CR12)	Mounting	Wall or pole with a max diameter of 150mm.
Hinges	Heavy duty internally located	Coating	Powder coated UV protected
Cable Entry	2x20mm knock out plugs 2x25mm knock out plugs	Locks	Abloy padlock
Weight of enclosure with batteries & excluding electronic equipment	137 kg	Dimensions	As per table and drawings below



4U		11U	
A	521.0	A	675.0
B	624.5	B	1049.0
C	539.0	C	539.0
D	650.0	D	654.0