



Type 2 - 1.6M

LITHIUM OUTDOOR ENCLOSURE DATA SHEET



“Join the green revolution and harness the unlimited power of the sun with solar energy solutions from eTUIT”.

OUTDOOR ENCLOSURES FOR TELECOM EQUIPMENT

The combination of Innovation and customized design, efficiency and reliability make the eTUIT Outdoor Enclosure stand out. With limiting the losses in the form of heat dissipation and necessary cooling requirements, the losses have been reduced by 50% compared to the current industry standard. From a global perspective, considering the high-energy consumption in the telecom industry, these enclosure breakthroughs not only reduce operational costs for the operators but can also have a significant environmental impact.

The most efficient Outdoor Solution for the Telcom industry!



PRODUCT SPECIFICATION

Wireless, fibre and long-haul communication

Today's communications demand state-of-the-art, cost-effective and compact Outdoor systems with diversified cooling options. eTUIT Outdoor Enclosures delivers industry-leading solutions with superb reliability at the lowest lifetime cost.

The eTUIT Enclosures also have a variety of Cooling Mechanism such as AC/DC Air - conditioners, Thermal Electric Coolers, Passive Heat Exchangers and Fan/Filter solutions with low power consumption, which historically has been a drawback with most traditional technologies.

Broadband and network access

Increasing network demands the storage of Communication and Power cabinets with compact and less energy consumption solutions with flexibility and expandability. eTuit enclosures are able to cascade as demand grows. eTUIT is delivering key building blocks for future needs.

Small and large

Due to the flexibility and Customization in eTUIT design, eTUIT Solution has a cost-competitive design and a highly flexible system for communication interface.

KEY FEATURES

- DUAL BAY FOR LITHIUM BATTERY STORAGE
- POWER SYSTEM AND CUSTOMER EQUIPMENT
- UP TO 12 BLOCKS OF 150Ah 48V LITHIUM
- UP TO 2 x 30U RACK SPACE FOR EQUIPMENT
- THERMAL INSULATION
- DC AIRCON + FAN/FILTER COOLING
- THERMAL MANAGEMENT
- IP55, NEMA 3R
- EASY INSTALLATION
- EASY FILTER CHANGE
- EASY MAINTENANCE

LITHIUM OUTDOOR TYPE 2 -1.6M

DUEL BAY OUTDOOR LITHIUM ENCLOSURE FOR TELECOMMUNICATION



Model	Dual Bay
PHYSICAL SPECIFICATIONS	
External Height x Width x Depth (mm)*	1600x 1400 x 700 mm
Battery Shelves	12 x 150Ah eTUIT LITHIUM BLOCKS
Weight	210KG approx.
Rack space	UP TO 2 x 30U Equipment Space (19")
<i>*Info does not contain cooling options</i>	
CONSTRUCTION SPECIFICATIONS	
Skin Material (Outer Skin)	Insulated panels 45mm with 304 Stainless steel base, bearing part SGCC/ t=2.0mm (C5I Environment)
Frame Formation	Single body
Powder-Coat Paint	Outdoor Powder Light grey RAL 7035 coating
Insulation	PEF thermal insulation foam 20mm thick
DOOR SPECIFICATIONS	
Doors	
Latches	Four Point
Gasket	Gasket UL-rated for outdoor use
Door Stop / Door Stay	Door Stop / Door Stay Wind latch to hold door during maintenance (120°)
Cooling Unit	Optional 500W - 5000W AC or DC Air Conditioning
CABLE GLANDS AND ENTRY	
Left Hand Side Bottom Entry (PG Glands)	4 x PG36 2 x PG29
Right Hand Side Bottom Entry (PG Glands)	4 x PG36 2 x PG29
OTHERS	
2x Door Alarm Switch (Magnetic Type)	1 x Smoke detector
2 x Filter	1 x AC-DB Box (with Changeover switch) DBEX5563
2 x DC Fans for airflow	Standard handles or ASSA Abloy
2 x DC Service light	Provisional top-side entry
Electrical	IEC 60950, UL 60950*, CAN CSA-C22.2 No 60950-1-03
EMC	ETSI EN 300 386 V.1.3.1, EN 61000-6-3, EN 61000-6-2
Environment	YD T1537-2006, GB 4208-2008 IP55
OTHER SPECIFICATIONS	
Part Number	Description
MCS Group_ eTUIT Lithium Type 2- 1.6m	

Changes between document issues are cumulative. The latest document issue contains all the changes made in previous issues.

Version: V2.2 (2024-07-01)

This version is the first official release of 2024.