



TYPE -2 1.6M

OUTDOOR DUAL BAY LITHIUM ENCLOSURE TECHNICAL SPECIFICATION



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

The combination of innovation and customized design, efficiency and reliability make the eTUIT Outdoor Enclosure stand out. By 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 are not only reducing operational costs for the operators, but they can also have a significant environmental impact.

THE MOST EFFICIENT OUTDOOR SOLUTION FOR THE TELCOM INDUSTRY



OUTDOOR ENCLOSURE FOR TELECOM EQUIPMENT

APPLICATIONS

WIRELESS, FIBER 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 can 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 interfaces.

KEY FEATURES

- DUAL BAY FOR LITHIUM BATTERY STORAGE
- POWER SYSTEM AND CUSTOMER EQUIPMENT
- UP TO 12 MODULES 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

PRODUCT

DESCRIPTION

DESCRIPTION	Dual Bay Outdoor Lithium Enclosure for Telecommunication
MODEL	MCS Group_ eTUIT Lithium Type 2 - 1.6m
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

SPECIFICATIONS

PHYSICAL

MEASUREMENTS	1600 x 1400 x 700mm (H x W x D) *Info does not contain cooling options
BATTERY SHELVES	12 x 150Ah LITHIUM MODULE
WEIGHT	210 Kg Approximately
RACK SPACE	Up To 2 X 30U Equipment Space (19")

CONSTRUCTION

MATERIAL	Insulated Panels 45mm with 304 Stainless Steel Bases; 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

DOORS	Two
LATCHES	Four Points
GASKET	Gasket UL-Rated for Outdoor Use
DOORSTOP / DOOR STAY	Doorstop / Door Stay Wind Latch to Hold Door During Maintenance (120°)
COOLING UNIT	Optional 500W - 5000W AC or DC Air Conditioning

OTHERS

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

ACCESSORIES

2 x Door Alarm Switch (Magnetic Type)	1 x Smoke detector
2 x Filters	1 x AC-DB Box (with Changeover switch) DBEX5563
2 x DC Fans for airflow	Standard handles or ASSA alloy option
2 x DC Service light	Provisional top-side entry

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

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This version is the first official release of 2024.