



OUTDOOR TYPE 1

2.1M SINGLE BAY ENCLOSURE
FOR TELECOMMUNICATION
DATA SHEET



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

LITHIUM OUTDOOR TYPE 1 -2.1M

SINGLE BAY OUTDOOR LITHIUM ENCLOSURE FOR TELECOMMUNICATION



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. In a global perspective, considering the high-energy consumption in the telecom industry, these enclosure breakthroughs is not only reducing operational cost for the operators, but it can also have a significant environmental impact.

The most efficient Outdoor Solution for the Telecom industry!



OUTDOOR ENCLOSURES FOR TELECOM EQUIPMENT	
APPLICATIONS	KEY FEATURES
<p>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.</p> <p>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.</p>	<ul style="list-style-type: none"> ➤ SINGLE BAY FOR LITHIUM BATTERY STORAGE ➤ POWER SYSTEM AND CUSTOMER EQUIPMENT ➤ UP TO 8 BLOCKS OF 150Ah 48V LITHIUM ➤ UP TO 1 x 42U RACK SPACE FOR EQUIPMENT ➤ THERMAL INSULATION ➤ DC AIRCON + FAN/FILTER COOLING ➤ THERMAL MANAGEMENT ➤ IP55, NEMA 3R ➤ EASY INSTALLATION ➤ EASY FILTER CHANGE ➤ EASY MAINTENANCE
<p>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.</p>	
<p>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.</p>	

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SINGLE BAY OUTDOOR LITHIUM ENCLOSURE FOR TELECOMMUNICATION



Model	Single Bay
PHYSICAL SPECIFICATIONS	
External Height x Width x Depth (mm)*	2100x 750 x 900 mm
Battery Shelves	UP TO 8 x 150Ah LITHIUM BLOCKS
Weight	240KG approx.
Rack space	UP TO 1 x 42U 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 (C3 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 1500w DC Air Conditioning
CABLE GLANDS AND ENTRY	
Left Hand Side Bottom Entry (PG Glands)	2 x PG36 1 x PG29
Right Hand Side Bottom Entry (PG Glands)	2 x PG36 1x PG29
OTHERS	
1x Door Alarm Switch (Magnetic Type)	1 x Smoke detector
1 x Filters	1 x AC-DB Box (with Changeover switch) DBEX5563
2 x DC Fans for airflow	Standard handles or ASSA Abloy Option
1 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
eTUIT Lithium Type 1- 2.1m	

CHANGE HISTORY

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.