



**TYPE -1 2.1M**

# **OUTDOOR SINGLE BAY**

## **LITHIUM ENCLOSURE TECHNICAL SPECIFICATION**



“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, 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

## MOST EFFICIENT OUTDOOR SOLUTION FOR THE TELECOM INDUSTRY

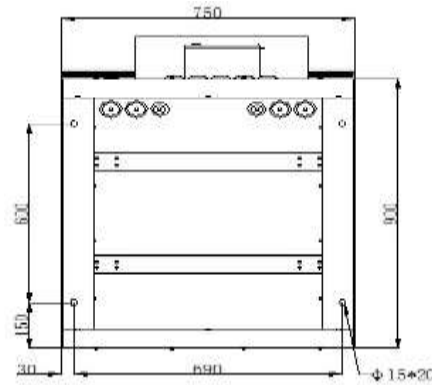


Figure4-1

## OUTDOOR ENCLOSURE FOR TELECOM EQUIPMENT

### APPLICATIONS

#### WIRELESS, FIBER AND LONG-HAUL COMMUNICATION

Today's communications demand state-of-the-art, cost-effective, 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

- SINGLE BAY FOR LITHIUM BATTERY STORAGE
- POWER SYSTEM AND CUSTOMER EQUIPMENT
- UP TO 8 MODULES 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

# LITHIUM OUTDOOR TYPE 1 – 2.1M

SINGLE BAY OUTDOOR LITHIUM ENCLOSURE FOR TELECOMMUNICATION



## PRODUCT

### DESCRIPTION

DESCRIPTION	eTUIT Single Bay Outdoor Lithium Enclosure for Telecommunication
MODEL	MCS Group_ eTUIT Lithium Type 1 – 2.1m
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	2100 x 750 x 900mm (H x W x D)	<i>*Info does not contain cooling options</i>
BATTERY SHELVES	Up to 8 x 150Ah LITHIUM BLOCKS	
WEIGHT	240kg approximately	
RACK SPACE	Up to 1 x 42U 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	One
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 1500W DC Air Conditioning

## OTHERS

### 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 1 x PG29

### ACCESSORIES

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

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

This version is the first official release of 2024