



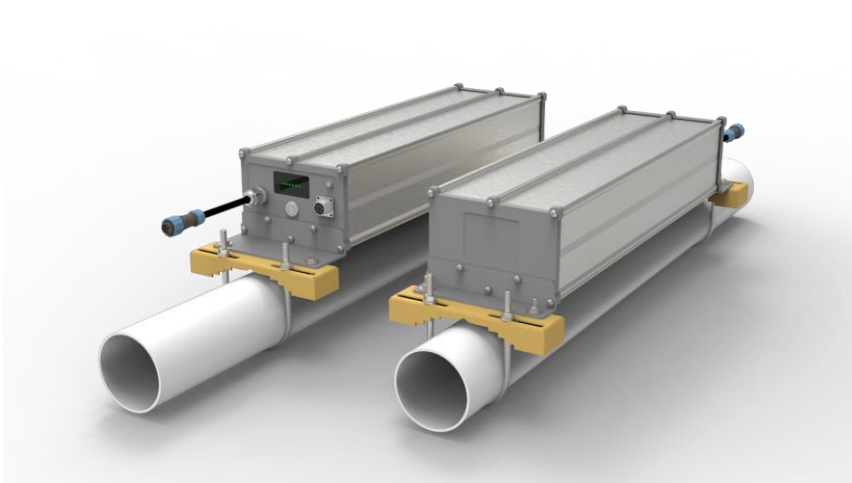
# 48V 20Ah

## DATA SHEET FOR TELECOM BATTERY FOR 5G



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

## 48V 20Ah TELECOM BATTERY FOR 5G



## 48V 20Ah TELECOM LI-ION BATTERY FOR 5G

### APPLICATION SCENARIOS

- 

### KEY FEATURES

- PRISMATIC LIFEPO4 CELLS, MUCH MORE SAFETY.
- ALUMINUM PROFILE CASE WITH CAST ALUMINUM COVER.
- IP67 WATERPROOF DESIGN FOR OUTDOOR INSTALLATION.
- FLEXIBLE AND EASY INSTALLATION, SUPPORT POLE AND WALL-MOUNTED INSTALLATION
- PARALLEL SUPPORT FOR MORE ENERGY.
- INDEPENDENT PROTECTION FOR CHARGE AND DISCHARGE.
- SOC, ALM, RUN INDICATOR DISPLAY SYSTEM CONDITION.
- RS485 COMMUNICATION PORT.
- OVP, LVP, OCP, OTP, LTP PROTECTION.

## PRODUCT

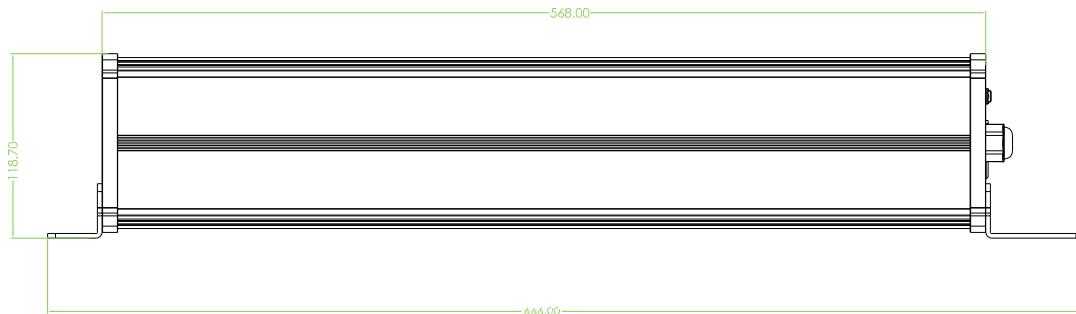
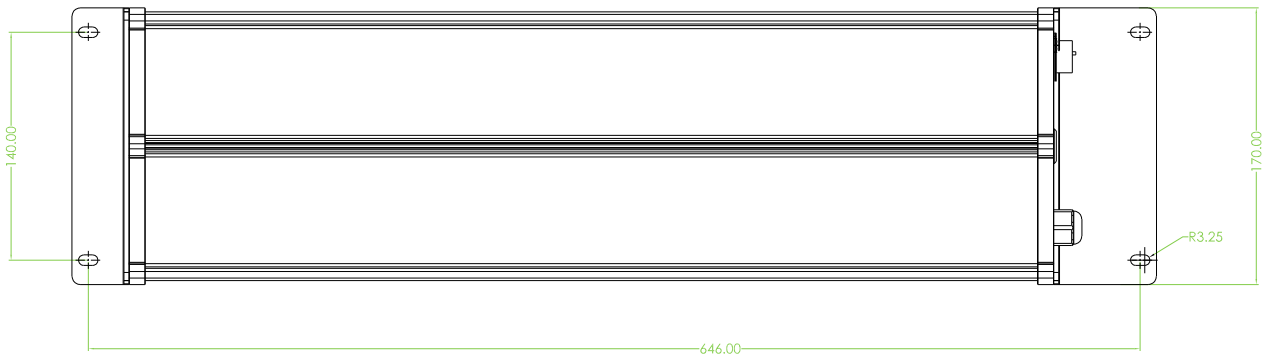
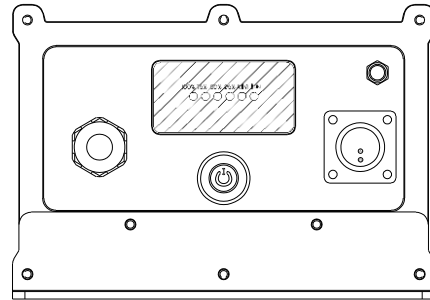
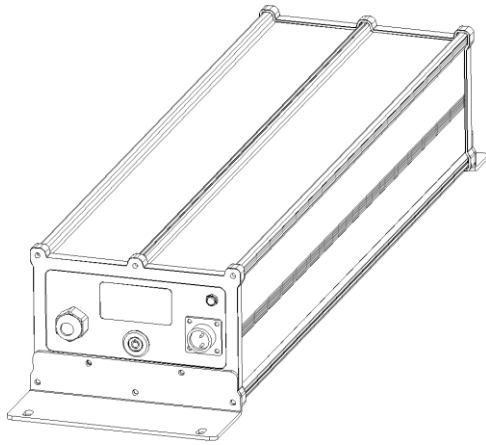
### DESCRIPTION

DESCRIPTION	Telecom battery for 5G R-LFP48V20Ah
MODEL	MCS Group_eTUIT Lithium Battery for 5G Telecom

### SPECIFICATIONS

<b>PHYSICAL</b>	<b>eTUIT 48V20Ah</b>
MEASUREMENTS (W*D*H, mm)	170*118.7*666
WEIGHT (kg)	14kg
<b>CONSTRUCTION</b>	<b>eTUIT 48V20Ah</b>
CELL MATERIAL	LFP
IP GRADE	IP67
<b>TECHNICAL</b>	<b>eTUIT 48V20Ah</b>
RELATED VOLTAGE (V)	48
RELATED CAPACITY (Ah)	20
TOTAL ENERGY (Wh)	960
CHARGE VOLTAGE (V)	51.8~54.7
MAX. DISCHARGE/CHARGE CURRENT (A)	20/20
CHARGE CURRENT LIMIT (A)	20
EOD VOLTAGE (V)	42 (Backup) / 45 (Cycle)
PEAK DISCHARGE POWER (W, 3s)	3150
CYCLE LIFE	> 1500
WORKING TEMPERATURE (°C)	Charge: 0 ~ +50 °C Discharge: -20 ~ +55 °C
RELATIVE HUMIDITY	0-95 %RH (No condensing)
INDICATOR LIGHT	SOC (100%,75%,50%,25%), ALM, RUN
OPTIONAL PARTS	Pole Mounted Bracket, Heater Film (for cold regions), Power Cable
<b>CONNECTIONS</b>	<b>eTUIT 48V20Ah</b>
COMMUNICATION PORT	RS485
CONNECTION	Yes, Max. 3 Sets
<b>PROTECTION</b>	<b>eTUIT 48V20Ah</b>
	Over voltage protection (cell & system) Low voltage protection (cell & system) High-temperature protection Low-temperature protection Short circuit protection Over current protection

48V 20Ah 5G DIAGRAM FOR TELECOMMUNICATION



## NOTES

- When welding the battery lead, there must be no wrong connection or reverse connection. If it is indeed a wrong connection, this circuit board may be damaged, and it needs to be re-tested before it can be used.
- During assembly, the protection plate should not directly touch the cell's surface, so as not to damage the cell. The assembly must be firm and reliable.
- In use, pay attention to the lead iron soldering tin and other components on the circuit board do not touch them, otherwise, it may damage the circuit board.
- Attention should be paid to anti-static, moisture-proof, and waterproof during the use process.
- Please follow the design parameters and use conditions in the process of use, it shall not exceed the value in this specification book, otherwise, it may damage the protection plate.
- After the battery pack and protection plate are combined, if there is no voltage output or charging is not available for the first time, please check whether the wiring is correct.

## NOTE FOR BATTERY USAGE ATTENTION

- A) Prohibit using the battery in sunlight, otherwise will cause over-hot, firing, or function failure, life reducing.
- B) Prohibit use near static places which over 64V.
- C) Prohibit charge at a temperature below 0°C or above 60°C.
- D) When used for the first time, if it has corrosion, bad smell, or any other abnormality, please do not use it.

## THE ENVIRONMENTAL LABEL



This mark indicates that the product described in this manual does not contain toxic and hazardous substances or elements. It is a green product, can be recycled after being discarded, and should not be discarded incorrectly.

## RECYCLE



This mark indicates that the product cannot be disposed of with other waste.  
Please refer to the Product recycling Guidelines



After the battery life is terminated, the battery can continue to be used after it is recycled by a professional recycling organization. Do not discard incorrectly.



Recycling must be performed according to national and local regulations for end-of-life treatment of Electrical and Electronic equipment. Printed circuit board assemblies (PCBA) must be handled separately from other waste and kept away from open fire. All work must be done according to good operating practices and the strictest safety standards, considering all relevant health and safety aspects.

## COPYRIGHT

COPYRIGHT © MCS GROUP HOLDINGS LTD ALL RIGHTS RESERVED.

Without the company's written permission, no unit or individual may unlawfully copy in part or in whole the content of this document and shall not disseminate it in any form.

## TRADEMARK STATEMENT



The eTUIT logo and other eTUIT trademarks are the trademarks of MCS GROUP HOLDINGS LTD.

This includes all other trademarks or registered trademarks mentioned in this document, by the respective owners.

## ATTENTION

On purchasing the products, services, or features, such as international commercial contracts, you accept and are bound by the terms described in this document, in part or in whole, the product's services or features are strictly for your purchase or use. Unless otherwise agreed in the contract, eTUIT does not make any express or implied representations or warranties within the content of this document.

For product version upgrades or other reasons, this document will be updated regularly. Unless otherwise agreed, this document serves only as a guide; all the statements in this document, information and recommendations constitute any express or implied warranty.

## REGIONAL CONTACT INFORMATION

Address: Africa Network Solutions (ANSOL)  
Unit A4, 1 Bell Street  
Meadowdale  
Germiston  
Johannesburg  
1401  
South Africa

E-mail: [info@africanetworksolutions.co.za](mailto:info@africanetworksolutions.co.za)



## 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.

MCS GROUP HOLDINGS LTD ® reserves the right to change the material herein at any time without notice. You may refer to the MCS GROUP HOLDINGS LTD ® website at [www.africanetworksolutions.co.za](http://www.africanetworksolutions.co.za) for the most updated version of our manual.