



100% Safe

Zero
Maintenance

Explosion Proof

BMS With
Remote Management

Less Weight



LIIBATT 48V, 100Ah Telecom Series Rack Mountable Battery Pack

LITHIUM BATTERY

Norban Altium Ltd. is introducing the LIIBATT series, a 48V100Ah Lithium-ion (LiFePO4) battery pack. This battery pack will function as an ecologically viable alternative power storage solution. The LIIBATT 48V series ensures a long service life for applications such as telecom and datacenter for power backup. It is a compact package of high energy density to save space and weight. When combined with the intelligent remote monitoring feature, its maintenance-free architecture can reduce the need for on-site maintenance and save significant operational costs for clients. This so helps to reduce the TCO (Total Cost of Ownership) in comparison to traditional VRLA batteries.

CELL

- + Lithium Ferro Phosphate (LiFePO4) prismatic cell with high safety and reliability.
- + Fully automated production, the process is mature & stable, excellent consistency and lifespan.
- + IEC62133, UL, UN38.3 Certification.

SAFETY

- + Telco/Datacenter grade PACK technology.
- + Directional explosion-proof valve design, which can effectively avoid cell failure is magnified and ensure 100% safety.
- + Comprehensive thermal simulation and testing to ensure the safety of each cell in the case of large current discharge.

BATTERY MANAGEMENT SYSTEM(BMS)

- +Charge and discharge independent control & protection to maximize system availability.
- +Voltage, Current, Temperature, SOH, SOC real-time detection, providing a variety of protection.
- +Intelligent Cell Balancing.
- +Pack Temperature monitoring.
- +Pack Health monitoring.
- +Parallel support for more capacity.
- +Compatible with standard telecom rectifiers & UPS.
- +Anti-theft feature

COMMUNICATION AND PROTOCOL

- +RS485/RS232, comply the needs of network access.
- +Optional accessories for SNMP access.
- +Communication of monitored data via BMS.

48V RACK MOUNTED Telecom Battery Specifications



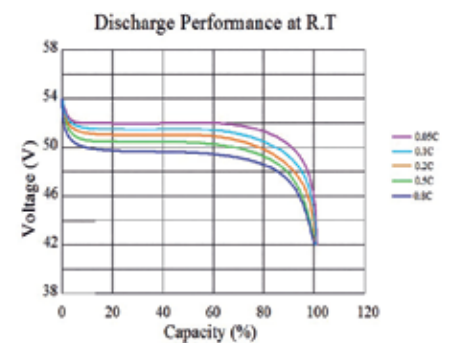
| Items | Spec/Models |
|------------------------------|---|
| Rated Voltage (V) | 48V |
| Rated Capacity (Ah) | 100* |
| Total Energy (Wh) | 4800 |
| Charge Voltage (V) | 54.75 |
| Max Recharge Current (A) | 100 |
| Peak Discharge Power (W)- 3s | 6300 |
| Dimension (LxWxH mm) | 508x483x153 |
| Weight (Kg) | 48 |
| Protection Standard | IP20 |
| Working Temperature Range | Charging: 0~50 degree; Discharging: -20~60 degree |
| Humidity | 0~95% |
| Communication Port | RS485 (Modbus/RS232), RS485 is standard |
| Cycle Life (25 degree) | equal or more than 3000 times |
| Protection | Over Voltage Protection (Cell System), Low Voltage Protection (Cell System), High/Low Temperature Protection, Short Circuit Protection. |
| Storage Temperature | -30~50 degree |
| Working Temperature Range | Charging: 0~55 degree, Discharging: -20~60 degree |
| Series/Parallel Support | Support only Parallel |
| Other optional accessories | Display, RS485 to SNMP |

*BUET Certified

Core Features of the Products:

- +High Energy Density & High Discharge Rate
- +Long Cycle Life & Service Life
- +Fast Charging & Light Weight
- +Low Self-Discharge Rate & High Discharge Efficiency Rate
- +Environmental Benefits
- +Safety Features like overcharging, over-discharging, and overheating
- +BMS, the module is equipped with Altium's sophisticated BMS (Battery Management System), which guarantees safe and dependable operation of the module by protecting it against abnormal conditions

Charge Graph



NOTE:

For parallel application, the charge current will be limited to 10A for 50Ah and 20A for 100Ah per module. All mentioned telecom series batteries are specially designed and developed for rack mounted system. These batteries integrate LFP prismatic cell and dedicated BMS together to provide high reliability and safety.

Contact:

NORBAN ALTILIUM LTD.

Corporate Office: House # 8/B, Road # 1, Gulshan-1, Dhaka-1212, Bangladesh

Factory: BTL Solaris Building, 2nd Floor, Block-3, Bangabandhu Hi-Tech Park, Kaliakoir, Gazipur

Call: +8809666 707 635 (Ext:200)

Email: sales@norbanaltium.com

Web: www.norbanaltium.com