



PARTICULAR APPLICATIONS

- BTS, BSC, Small cell
- MSC, Server sites, Data centers
- Wi-fi, Broadband, Fiber-net
- Transmission equipment
- Remote Exchange Office
- Satellite Ground Stations
- Mobile Communication Equipment

OPTION OFFERED

- Laser welding Technology

Telecom Tower Lithium-Ion Phosphate (LiFePO4) Battery

Type	Prismatic
Application	Telecommunications
Capacity	40 Ah - 100 Ah
Cell Voltage	3.2 Volt
Advancements	<ul style="list-style-type: none"> ● Enhanced Thermal Stability ● Zero Tolerance Towards Human Safety ● Longer Cycle Life



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Telecom Tower Lithium-Ion Phosphate (LiFePO4) Battery

Configuration	48 V, 50 Ah	48 V, 75 Ah	48 V, 100 Ah
Nominal Voltage (V)	48	48	48
Pack Capacity (Ah)	50	75	100
Energy Capacity (kWh)	2.4	3.6	4.8
Life Cycle (@ 1C Charge / 1C Discharge at 25° C)	2000+ Cycles	2000+ Cycles	2000+ Cycles
Continuous Charge Current (A)	10	15	20
Continuous Discharge Current (A)	10	15	20
Working Temperature (Charging)	0°C – 45°C	0°C – 45°C	0°C – 45°C
Working Temperature (Discharging)	-20°C to 55°C	-20°C to 55°C	-20°C to 55°C
Pack Enclosure	Sheet Metal	Sheet Metal	Sheet Metal

ORDINARY FEATURES

- Spot welding
- Ingress Protection with IP20
- Superior Thermal Management
- Reliable & safe LiFePO4 cell technology
- Communication through RS485/RS232 Suitable for multi-unit parallel connection (up to 15 modules)
- State-of-art BMS with built-in advance protections
- Higher operating temperature range
- High cycle life & High efficiency
- Standardized 19" rack-mountable

DISCLAIMER

- Design of battery will be finalized based on battery variant, mutual technical signoff and vehicle envelope.
- Dimension and weight depend on selection of Cell.

COMMUNICATION & MONITORING:

- RS485 & RS232 communication ports
- Dial switch for address set-up
- System reset button
- Dry contacts
- SOC and operating status LED
- Failure warning display LED
- SOH evaluation for battery

ADVANCE BATTERY MANAGEMENT SYSTEM

- Cell Balance Management
- Every Cell with Temperature sensor
- Data storage memory
- Warning & Protection for
 - Over charge & discharge for cell & battery pack
 - High/low temperature during charge & discharge
 - Short circuit
 - Reverse Polarity
 - Charge & Discharge Over Current

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