

Delta Lithium-ion Battery

48V Application

TBM48V60P0

Long service life battery ideal for 48V telecom applications

Delta TBM48V60P0 battery is an excellent energy source with a long service life for 48V applications such as telecom and datacenter for power backup. It is a compact package of high energy density to save space and weight.

Its maintenance-free design couples with the intelligent remote monitoring function and can eliminate on-site maintenance efforts and save considerable operational costs and then contributes to lower TCO (Total Cost of Ownership) compared with conventional batteries.

For safe and reliable operation, Delta's advanced BMS (Battery Management System) can protect the function to protect the battery against abnormal conditions, like over-temperature, over-charging, and over-discharging. BMS can also make the battery operations more optimal to serve over long term.

Special Features

High Safety

- Certification Compliance: UN38.3, UL1973, CE, IEC62619
- Advanced BMS to protect battery module from abnormal conditions

Retrofit Application

- Direct replacement of Lead-acid battery pack

Excellent Manageability

- Front-end panel access
- User-Friendly signal indication for the status of battery system
- Allowed for multi-units or multi-sites remote management



*Product outlook subject to change without notice

Product Specification

Nominal Voltage	48 V (NCM system)
Minimum Capacity	57 Ah
Dimension (mm)	429 (L) x 431 (W) x 118 (H)*1
Waterproof Level	IP20 class function
Weight	Approx. 27Kg
Certifications Compliance: Cell Pack	UN38.3, IEC62619 UN38.3, IEC62619 EN61000-6-1, EN61000-6-3 CNS15387:5.2.4&5.3.1
Service Life @ 25°C	≥ 4,000 cycles*2
Operating Temperature	Charge: 0°C to +50°C Discharge: -20°C to +50°C
Interface	CAN 2.0B(500kHz) & RS485
Max Discharge Current (A)	100A*3
Max Charging Current (A)	50A*3
Voltage Range (V)	42.0V to 53.6V
Discharging Cut-off Voltage	42.0V
Mounting Method	19" Rack Mounting

*1) Not included the handling ear

*2) SOC range is 90% to 10%. SOC means "State of Charge".

*3) Depend on working temperature



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Applications

- Direct Replacement for Conventional 48V Lead-acid Battery System
- Telecom Back-up Power (Pole mount cabinet / Stationary cabinet)
- UPS System for Datacenter and Server Networking System

▪ Base Station



▪ Data Center

