

48V Lithium-ion Battery

Lithium-ion Battery



Delta Lithium-ion 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.

Key Features

- High Safety
 - Certification Compliance: UN38.3, 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

Applications

- 3G / 4G / 5G
- Fixed Line
- Datacom



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GENERAL

GOCCAE-01-AC

| | |
|---------------------------------|---|
| Nominal Voltage | 48V (NMC system) |
| Nominal Capacity | 57Ah |
| Dimension (L x W x H) | 429 x 431 x 118mm (16.8 x 16.9 x 4.6in) ⁽¹⁾ |
| Waterproof Level | IP20 class function |
| Weight | Approx. 27Kg |
| Certifications Compliance: Cell | UN38.3, IEC62619 UN38.3, IEC62619 |
| Certifications Compliance: Pack | UN38.3, IEC62619, EN61000-6-1, EN61000-6-3, CNS15387:5.2.4&5.3.1 |
| Cycle Life @ 25°C | ≥ 4,000 cycles ⁽²⁾ |
| Operating Temperature | Charge: 0°C to +50°C (32 to +122 °F) Discharge: -20°C to +50°C (-4 to +122 °F) |
| Interface | CAN 2.0B(500kHz), RS485, Dry Contact |
| Maximum Discharge Current | 100A ⁽³⁾ |
| Maximum Charging Current | 50A ⁽³⁾ |
| Charging Voltage | 53.3V |
| Working Voltage Range | 42.0V to 53.6V |
| Discharging Cut-off Voltage | 42.0V |
| Mounting Method | 19" Rack Mounting |

*All specifications are subject to change without prior notice.
(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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