

Exide Nexcharge LiFePO4 Battery



Nexcharge Lithium-Ion battery system is a high-end product providing most reliable back up energy to critical applications.

With the advance features like BMS and Remote Monitoring (Optional), it is a solution for effectively maintaining the sites and maximizing their performance.

Features

- ✦ Reliable & Safe LFP cell technology
- ✦ Advance Remote Asset Management (Optional)
- ✦ Communication through RS485 / RS232
- ✦ Suitable for multi-unit parallel connection
- ✦ Built-in advance protections
- ✦ Higher operating temperature range
- ✦ High Cycle life
- ✦ High Efficiency
- ✦ Status indications

Other features

- ✦ Dial switch for address setup
- ✦ System Reset button
- ✦ Communication interface
- ✦ Operation status LED
- ✦ Failure display LED



Specifications of Exide Nexcharge Battery

Model	Exide Nexcharge - 3U Module of 48V/ 100Ah
Battery Specification	48V/100AH
Battery Cell Technology	LiFePO4
Pack Configuration	15S1P
Rated Voltage	48V
Rated Capacity (0.2C/25°C)	100Ah
kWh Rating	4.8kWh
Battery Charge method	CC-CV
Charge voltage	54V
Discharge cut-off Voltage	44V
Standard Charge Current	20A
Standard Discharge Current	20A
Max. Charge Current*	50A
Max. Discharge Current*	100A
Communication Ports	RS232/RS485
Dimensions (W x D x H) in mm	442 x 440x 133 (3U)
Net Weight (kg)	45
Operating Temperature (Charge)	0-45°C
Operating Temperature (Discharge)	-20-50°C
Altitude	< 2000m
Cycle Life (at 0.2C/0.2C charge/discharge, 70% EoL, 80%DoD, 25°C)	>3000
IP Class	IP20
Operating Temperature (Discharge)	-20-55°C
Battery Management System (BMS) Protection	
Over charge protection	Yes
Over discharge protection	Yes
Over current protection	Yes
Over Voltage Protection	Yes
Temperature protection (High/Low)	Yes
Short circuit protection	Yes
Reverse polarity protection	Yes
Product specifications are subjected to change without further notice	
* Max. one cycle per day	