

UPS Lithium Battery

ES 256-50 (256V 50Ah)

EverExceed[®]
power your applications

Key Features

Performance:

- ◆ 3000+ life cycles and more than 15 years of design life, 5-6X longer life than Lead-acid allows you to set it and forget it;
- ◆ 5X faster charge improves recovery;
- ◆ BMS provides up-to-date insight into battery performance;
- ◆ Provide extended backup time during a power event;
- ◆ Ensures 24/7 system uptime while delivering significant total-cost-of-ownership (TCO) savings.

Safety:

- ◆ Lithium phosphate battery chemistry is stable and safe;
- ◆ Battery management system (BMS) actively monitors temperature and charge cycles;
- ◆ No recycled cells are used, all the individual cells are sorted in a very precise range according to their capacity to ensure complete reliability of the battery pack; ;
- ◆ Abnormal conditions (warnings and alarms) are quickly detected and, if necessary, the BMS will protect the system from damage by disconnecting the affected battery.
- ◆ Extended warranty ensures operational reliability;

Installation:

- ◆ Save money on battery replacement costs, at similar duration of operation time, lead acid batteries need at least 3-4 times replacements;
- ◆ 40% weight reduction minimizes weight load and area of the system and also eases installation;
- ◆ Shift your refresh cycle to be in line with your IT equipment;

Application

- ◆ UPS
- ◆ CATV
- ◆ Energy storage system
- ◆ Emergency lighting
- ◆ Medical equipment

The specially designed lithium battery solution that knows UPS best!

EverExceed ES 256-50 LiFePO4 (lithium ion phosphate) battery is a new environment friendly backup power module specially designed for the UPS power systems. With an advanced life span, extra compact size, very light weight and strong environmental working conditions, besides indoor, it is also the ideal solution for the outdoor harsh environment found in the field, where the UPSs are installed and used.



ES 256-50

EverExceed, as a professional manufacturer of both UPS and lithium battery, has accumulated decades of technical experience on how to design trouble-free battery solutions for UPS applications. EverExceed UPS lithium batteries can work with well known UPS brands, for example: MGE, APC, Legrand, Eaton, Vertiv, Socomec, Huawei etc. and worked well in many projects.

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Technical Specification

Battery Model	ES 256-50
Battery Technology	LiFePO4
Nominal Voltage	256V
Nominal Capacity	50Ah
Nominal Energy	12.8kWh
Dimension (WxDxH)	600x800x1200mm
Boost Charge Voltage	288V
Discharge Cut-off Voltage	200V
Max Charge Current	50A
Recom. Charge Current	25A
Max Discharge Current	50A
Working Temperature Range	Discharge: -20°C to +60°C Charge: 0°C to +60°C Storage: -20°C to +60°C
Cycle Life	≥3000 Cycles @ 100% DOD @ 25°C
Communication	RS485
Safety Standard	CE, UN38.3
Design life	15+ years @25°C
Protection	Short circuit, over charge, over discharge, under charge, under discharge, over/under temperature etc.
Customization capability	Fully customizable as per customer requirement.