

EP-48200 (48V200Ah)

lithium iron phosphate (LiFePO4) battery

Your best power choice for Solar energy storage system!



***LCD display is optional

EverExceed LiFePO4 solutions are more advanced, highly efficient and has many advantages over the traditional Lead Acid technology.

Here introducing popular EP-48200 battery of EverExceed which is high demanding among Solar industry users for its most advanced features:

Specifications

Nominal Characteristics	
Battery Model	EP-48200
Nominal Voltage	48 V
Nominal Capacity	200 Ah
Nominal Energy	9600 Wh
Electrical Characteristics	
Recommended Charging Voltage	54-54.7 V
Floating Charging Voltage	51.5-52 V
Recommended Charging Current	50-100 A
Maximum Discharging Current	100 A
Discharging Cut-off Voltage	40.5 V
Working Voltage Range	40.5-54.7 V
Operating Conditions	
Cycle Life	≥6000 Cycles@80% DOD@25°C
Roundtrip Efficiency	≥98%
Operating Charge Temperature	0°C to +50°C
Operating Discharge Temperature	-20°C to +60°C
Storage Temperature	-20°C to +60°C
Mechanical Characteristics	
Length x Width x Height	483 x 680 x 225 mm
Weight	73 Kg
Terminal	M6

Advantage summary

- 15+ years of design life, 19" rack mounting module design;
- Direct Lead Acid Battery (AGM/GEL) replacement for 48V 200Ah;
- Faster charge, 2 hour of charging can provide up to 90% charge;
- High energy density and conversion efficiency;
- Excellent high and low temperature operation;
- High cycle times and longer service life of >6000 cycles @80% DOD;
- Can support paralleling use for increased requirement;
- Safety in use: Intelligent, user friendly BMS inside, No explosion, No fire;
- Intelligent automatic protection for overcharge, over discharge and temperature conditions;
- Ultra low self discharge rate <1.5%/month;
- No maintenance required through out the lifetime;
- Great power saver;
- Superior DOD (100%) over lead acid batteries;
- RS485, RS232, CAN communication (optional) output;
- BMS with internal cell balancing function to ensure long service life;
- Excellent high temperature performance, ultra low life decay rate in operating when harsh environment;
- Excellent PSOC (partial stage of charge) cycle life, which is the best ideal choice for solar energy storage;
- Optimized for photovoltaic applications, using high temperature and high cycle life active materials;

Application

- Solar energy storage
- Wind energy storage



Performance curve

