EverExceed®
power your applications

EV48200-T (48V200Ah)

lithium iron phosphate (LiFePO4) battery

Your best power choice for Telecom energy storage system!

*the 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 EV48200-T battery of EverExceed which is high demanding among telecom industry users for its most advanced features:

Specificaitons

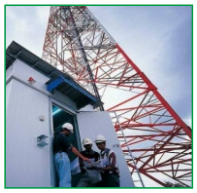
Nominal Characteristics	
Battery Model	EV48200-T
Nominal Voltage	48 V
Nominal Capacity	200 Ah
Nominal Energy	9600 Wh
Electrical Characteristics	
Recommended Charging Voltage	54-54.7 V
Floating Charging Voltage	51.5-52 V
Recommended Charging Current	50 A-100A
Maximum Discharging Current	100 A
Discharging Cut-off Voltage	40.5 V
Working Voltage Range	40.5-54.7 V
Operating Conditions	
Cycle Life	≥3000 Cycles@100% DOD@25℃
Roundtrip Efficiency	≥98%
Operating Charge Temperature	0℃ to +50℃
Operating Discharge Temperature	-20℃ to +60℃
Storage Temperature	-20℃ to +60℃
Mechanical Characteristics	
Length x Width x Height	483 x 680 x 225 mm
Weight	73 Kg
Terminal	M6
Optional Function	
Remote monitoring	SNMP
Anti-theft	GPS and Gyroscope

Application

- Base transceiver station
- Communication equipments
- Central office
- Telecommunication system
- Microprocessor based office machine
- UPS

Advantage summary

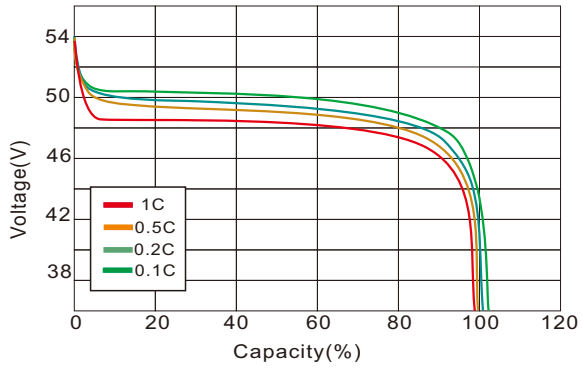
- 15+ years of design life, 19” rack mounting module design;
- Direct Lead Acid Battery (AGM/GEL) replacement for 48V 200Ah;
- Faster charge, 2 hour of charging can provide up to 90% charge;
- High energy density and conversion efficiency;
- Excellent high and low temperature operation;
- High cycle times and longer service life of >3000 cycles @100% 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 and RS232 communication 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;



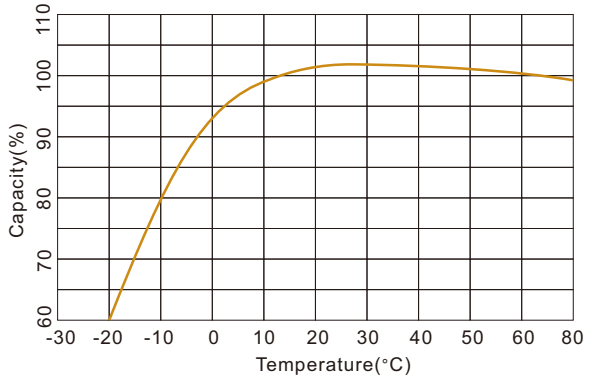



Performance curve

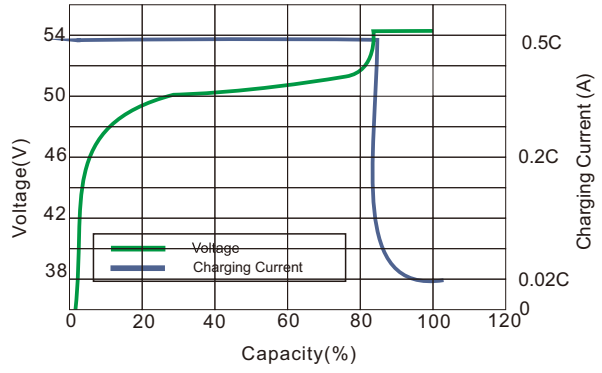
Discharge performance @25°C



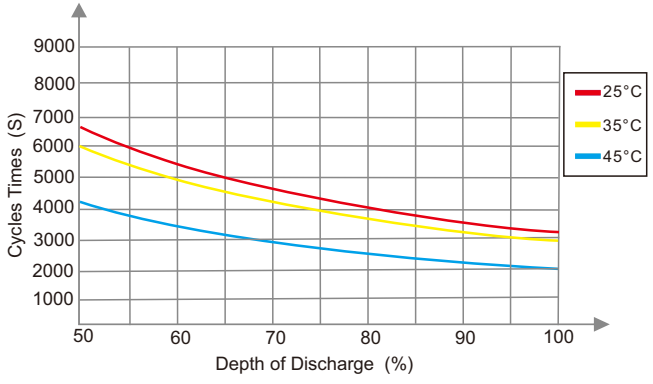
Temperature effects on capacity @ 0.5C



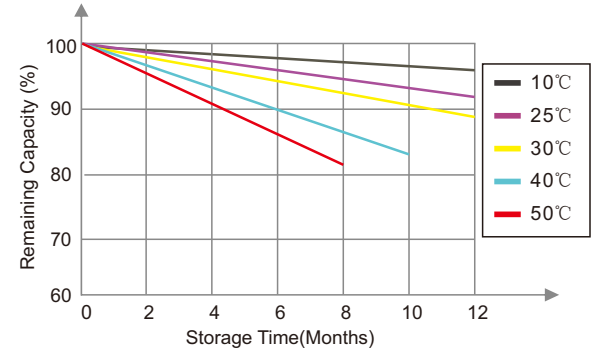
Charging Characteristics @0.5C



Different DOD Discharge And Different Temperature Cycle Life Curve @0.5C



Different Temperature Self Discharge Curve



Battery calendar design life at different temperatures