

# Lithium Battery

## EV48900-T (51.2V 900Ah)

**EverExceed**<sup>®</sup>  
power your applications

### Key Features

- ◆ **Longer Cycle Life:** Offers up to 10 times longer cycle life and five times longer float/calendar life than a lead-acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- ◆ **Faster charge:** Can fully charge the battery within 1.5 hours;
- ◆ **Lighter Weight:** About 40% of the weight of a comparable lead-acid battery. A 'drop in' replacement for lead-acid batteries.
- ◆ **Higher Power:** Delivers twice the power of the lead-acid battery, even high discharge rate, while maintaining high energy capacity.
- ◆ **Wider Temperature Range:** -20°C to +60°C.
- ◆ **Superior Safety:** Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging, or short circuit situations.
- ◆ **Increased Flexibility:** Modular design enables deployment of up to four batteries in series and up to ten batteries in parallel.

### Application

- ◆ Energy storage system
- ◆ UPS
- ◆ Telecommunication
- ◆ Data center

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

Here introducing popular EV48900-T battery of EverExceed which is high demanding among telecom industry users for its most advanced features:



**EV48900-T**

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<b>Battery Model</b>	<b>EV48900-T</b>
<b>Battery Technology</b>	LiFePO4
<b>Nominal Voltage</b>	51.2V
<b>Nominal Capacity</b>	900Ah
<b>Nominal Energy</b>	46kWh
<b>Dimension (WxDxH)</b>	650 x 700 x 2100mm
<b>Boost Charge Voltage</b>	57.6V
<b>Discharge Cut-off Voltage</b>	43.2V
<b>Max Charge Current</b>	500A
<b>Recom. Charge Current</b>	250A
<b>Max Discharge Current</b>	500A
<b>Working Temperature Range</b>	Discharge: -20°C to +60°C Charge: 0°C to +60°C Storage: -20°C to +60°C
<b>Cycle Life</b>	≥3000 Cycles @ 100% DOD @ 25°C
<b>Communication</b>	RS485
<b>Safety Standard</b>	CE, UN38.3
<b>Design life</b>	15+ years @25°C
<b>Protection</b>	Short circuit, over charge, over discharge, under charge, under discharge, over/under temperature etc.
<b>Optional function</b>	SNMP/GPRS/GPS/Gyroscope

## Performance Curve

