

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



**ZEUS POWERPLUS +  
ENERGY STORAGE BATTERY**



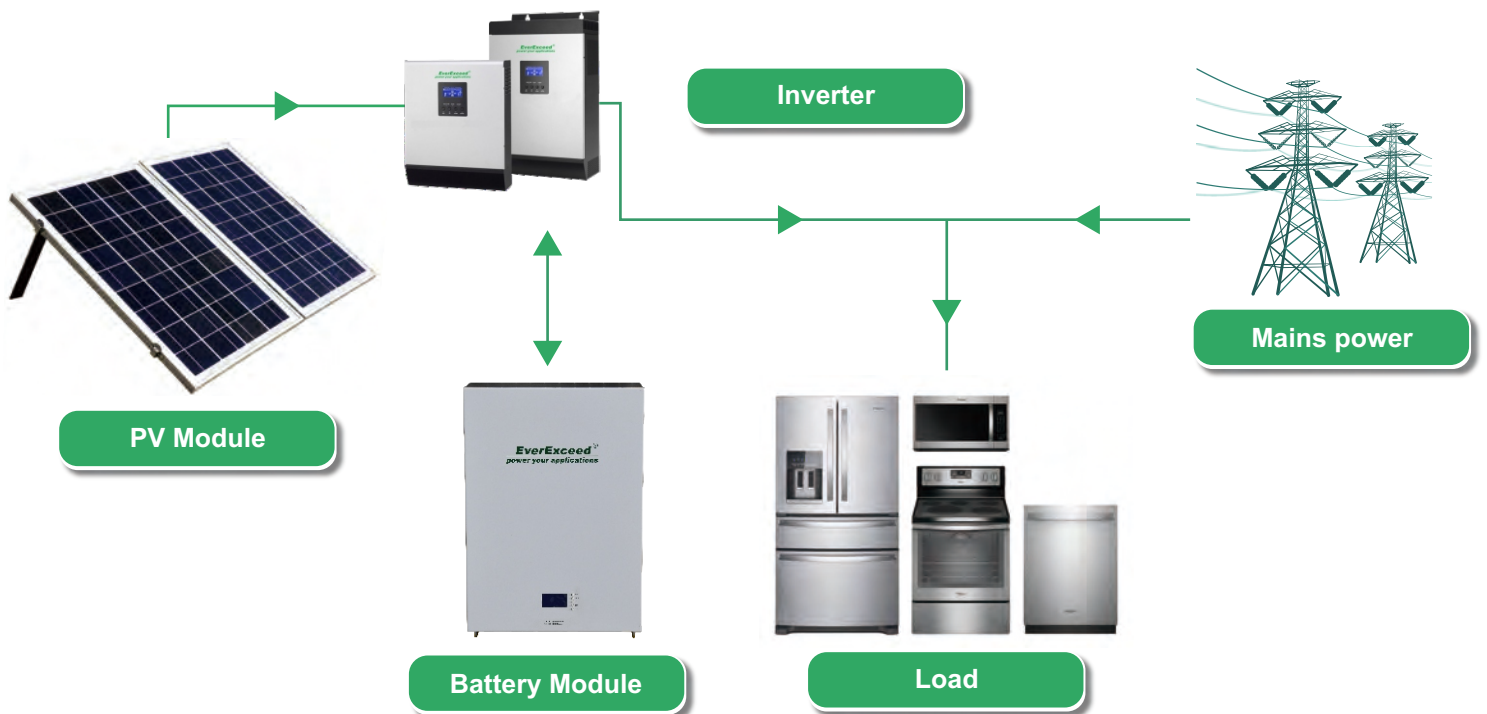
## Introduction:

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EverExceed Zeus PowerPlus+ LiFePO4 batteries are perfect choice for your home energy storage system and SME (Small Medium Enterprise). The ultra-modern design brought to you by our highly qualified research and development team provides an ultra long service life and extreme reliability in energy storage. Based on our batteries technical features of excellent performance on higher temperature, higher capacity range, lighter weight and pollution free operation, our LiFePO4 battery is widely popular by users with a rapid development stance. It is the first choice for the high requirement energy storage battery solution.

## EverExceed Home energy storage LiFePO4 battery solution:

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## Technical features:

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### High cycle life and deep cycle ability

≥6000 cycles@80% DOD @ 25°C



### Intelligent monitoring

The monitoring unit checks the charging and discharging current, voltage, and battery surface temperature automatically.



### Light weight, high energy density standby power

The EverExceed lithium batteries, due to their excellent properties, are the optimal energy storage solution where limited space and weight are important factors.



### Safety

As EverExceed LiFePO<sub>4</sub> batteries adopt the most advanced lithium iron technology, there is no risk of explosion and fire.

It is designed for residential and commercial applications with absolute safety.

The cells have undergone strict safety tests such as vibration, extrusion, and puncture.



### Intelligent battery management system

The battery system adopts a special BMS, high performance battery management module which is featured with voltage, current and temperature protection and a preferable communication between the battery system and the host.

## Advantages:

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- Optimized for photovoltaic applications, using high cycle life active materials with resistance to high temperature attenuation;
- The battery all adopt approved grade A cells to ensure the high safety and premium performance of the battery;
- Parallel connection available for flexible system capacity extension;
- High operational reliability;
- Optimized supervision strategy through remote control/diagnostic;
- 15+years long life design@25°C;
- Preventive but not premature replacement at end of life;
- Maintenance free throughout lifetime;
- Compatible with most of the available hybrid inverters;
- Compact and fashionable design fits in your sweet home environment;
- Conforms to safety standards of IEC62133, CE, UN38.3;

## Technical specifications:

Battery type	LiFePO4 (Lithium iron phosphate battery)							
Battery Model	EP-4850W		EP-48100W		EP-48150W		EP-48200W	
No.Of Cells In Series	15	16	15	16	15	16	15	16
Norminal Voltage	48V	51.2V	48V	51.2V	48V	51.2V	48V	51.2V
Norminal Capacity	50Ah		100Ah		150Ah		200Ah	
Norminal Energy	2.4KWh	2.56KWh	4.8KWh	5.12KWh	7.2KWh	7.68KWh	9.6KWh	10.24KWh
Dimension (H x W x D)	650 x 485 x 180mm							
Weight	48kg	52kg	65kg	70kg	82kg	87kg	102kg	107kg
Boost Charge Voltage (Charging Method: CC-CV)	54V-54.75V	57.6-58.4V	54V-54.75V	57.6-58.4V	54V-54.75V	57.6-58.4V	54V-54.75V	57.6-58.4V
Float Charge Voltage	52V	55.2V	52V	55.2V	52V	55.2V	52V	55.2V
Discharge Cut-off Voltage	40.5V	43.2V	40.5V	43.2V	40.5V	43.2V	40.5V	43.2V
Recommended Charge Current	25A		50A		75A		100A	
Max Discharge Current	50A		100A		100A		100A	
Working Temperature Range	Discharge: -20°C to +60 °C Charge: 0°C to +45 °C Storage: -20°C to +60 °C							
Cycle Life	≥6000 cycle @ 80%DOD @ 25°C @ 0.5C rate							
Communication	RS485 / RS232 / CAN							
Compatible Inverter*	Goodwe, Growatt, Voltronic, Deye, Victron Energy, East, Sermatec, Sofar, Solax, Kstar, ect*							
Safety Standard	IEC62133, CE, UN38.3							
Design Life	15+Years @ 25°C							

\* Communication matching other brands of inverters can be customized



EverExceed 48V Wall mounted Solar lithium iron phosphate (LiFePO4) battery .