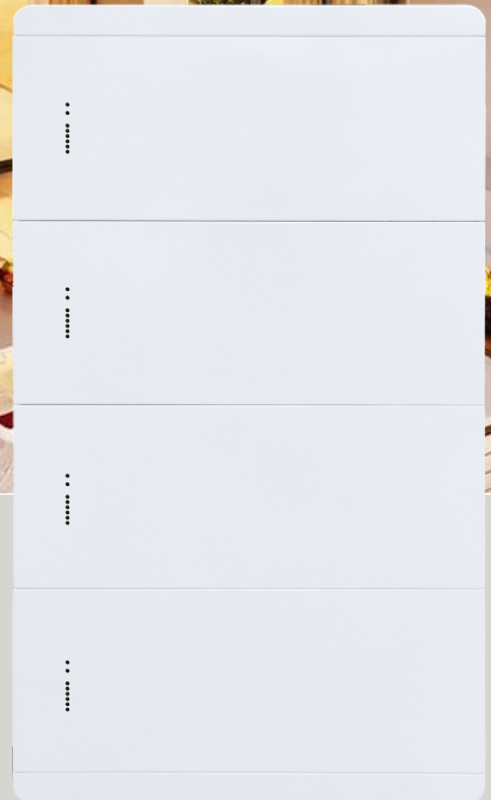


**EverExceed**<sup>®</sup>  
*power your applications*



**ZEUS POWERPLUS +**  
**ENERGY STORAGE**  
**Stack-mounted BATTERY**



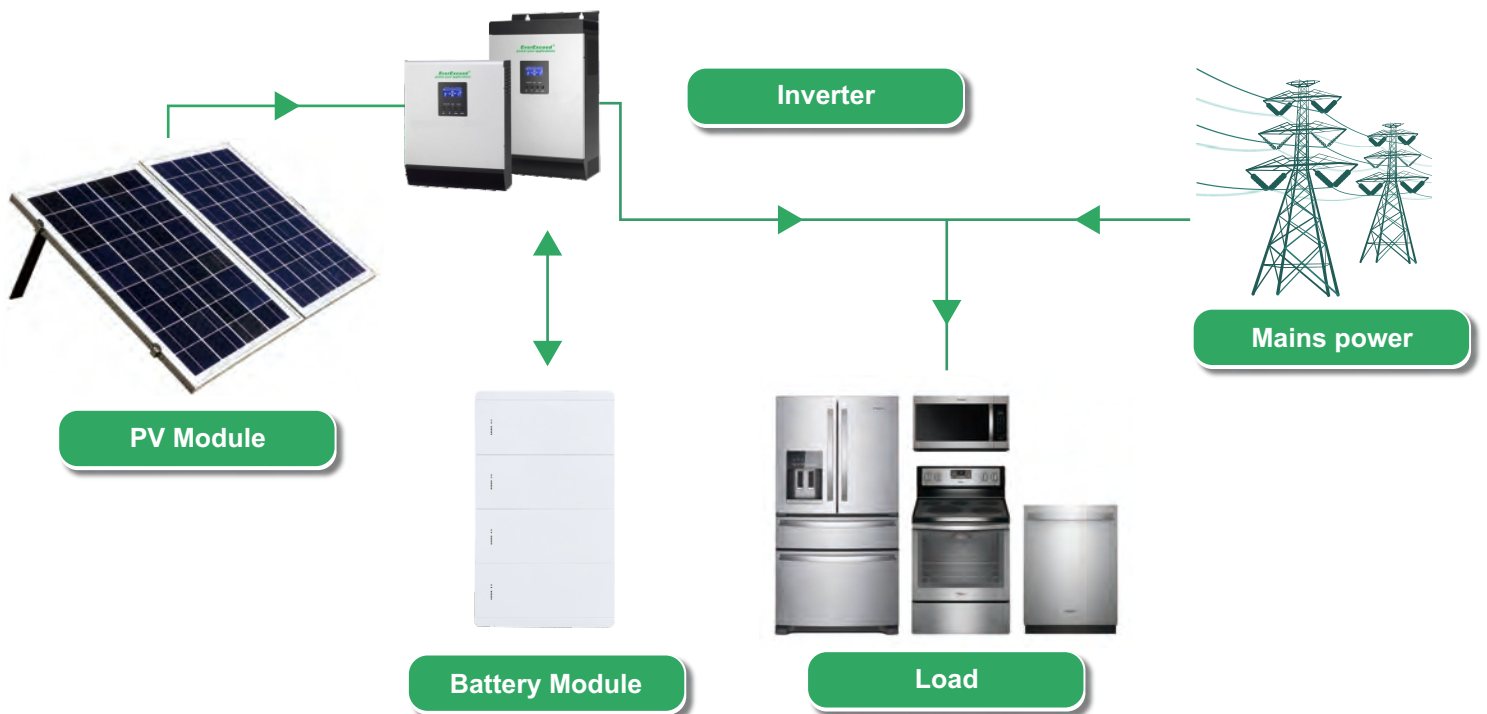
## Introduction:

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EverExceed Zeus PowerPlus+ stack-mounted LiFePO4 batteries are perfect choice for your home energy storage system and SME (Small Medium Enterprise). The ultra-modern stack-mounted 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:

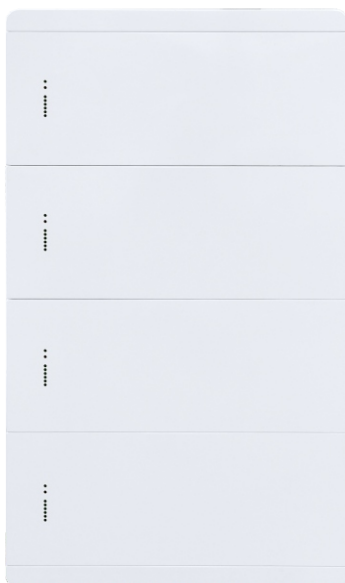
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- Optimized for photovoltaic applications, using high cycle life active materials with resistance to high temperature attenuation;
- The battery all adopt approved grade A cells to ensure the high safety and premium performance of the battery;
- Parallel 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 CE, UN38.3;

## Technical specifications:

Battery type	LiFePO4 (Lithium iron phosphate battery)
Battery Model	EP-48100S
No. Of Cells In Series	16
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Nominal Energy	5.12KWh
Module Dimension (L x W x H)	700*400*220mm
Weight	45kg
Boost Charge Voltage (Charging Method: CC-CV)	56-56.8V
Float Charge Voltage	54.4-55.2V
Discharge Cut-off Voltage	43.2V
Recommended Charge Current	50A
Max Charge Current	100A
Max Discharge Current	100A
Working Temperature Range	Discharge: -20°C to +60°C Charge: 0°C to +60°C Storage: -20°C to +60°C
Cycle Life	≥6000 cycle @ 80%DOD @ 25°C @ 0.5C rate
Communication	RS485 / RS232 / CAN
Compatible Inverter*	SMA, SolarEdge, Sungrow, Huawei, Victron Energy, Schneider, Growatt, EverExceed, Ginlong/Solis, Sofarsolar, SolaX, Voltronic power, Deye, Goodwe, East etc.*
Safety Standard	CE, UN38.3, IEC62619
Design Life	15+Years @ 25°C
Support combination method	PACK*2/*3/*4/*5/*6 upto 10kWh/15kWh/20kWh/25kWh/30kWh (Supports 2/3/4/5/6 battery packs in parallel)

\* Communication matching other brands of inverters can be customized



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