

Dual Converter+Lithium Battery Storage System

Industrial And Residential Energy Storage System



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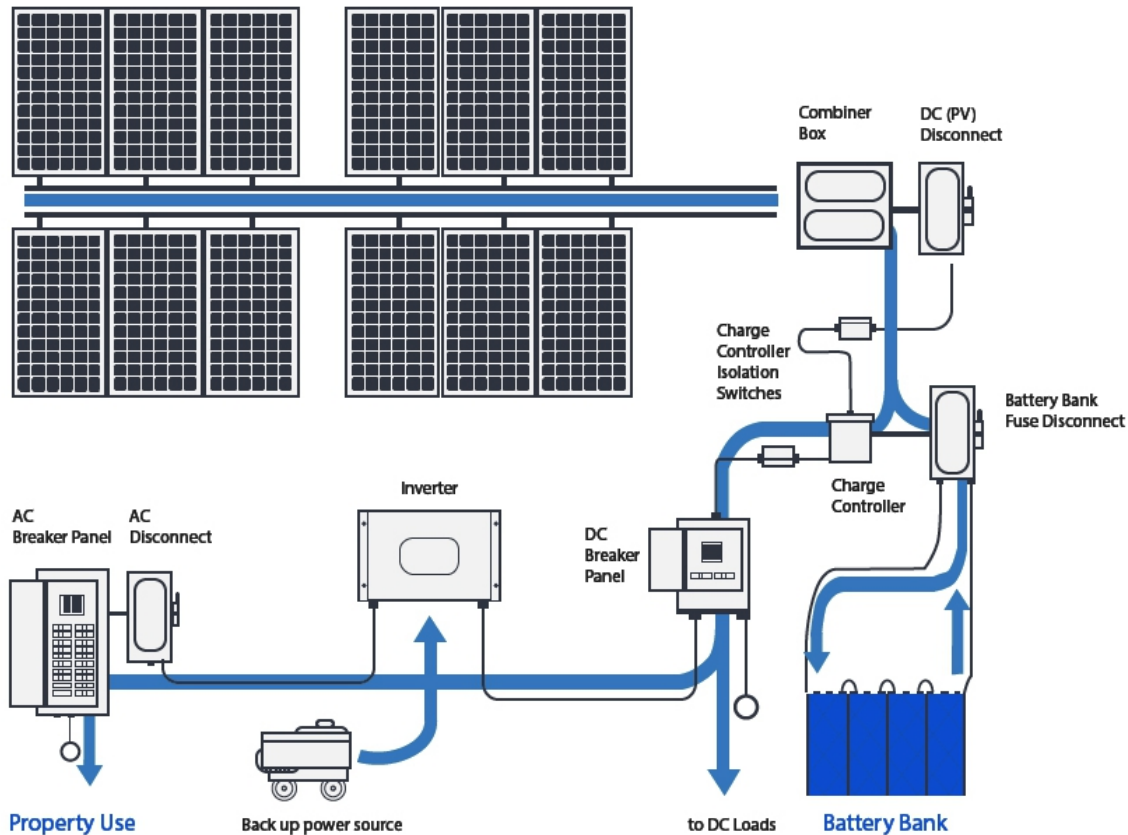
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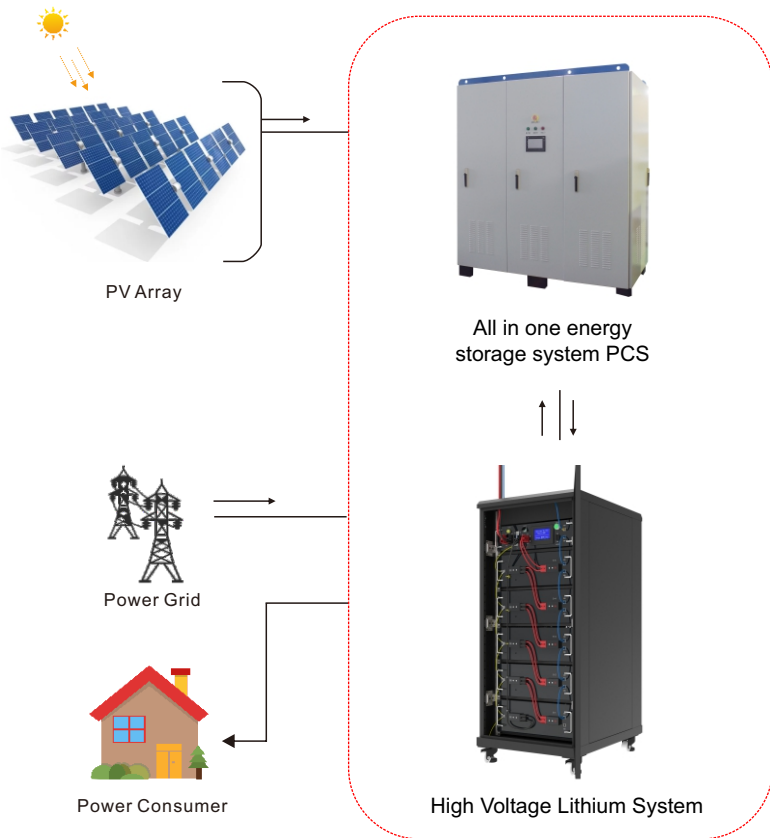
Lithium Battery Solar Power System

Off Grid Solar System

Solar panel array



Product Introduction



◆ Brief Description:

Lithium battery solar power system, available for maximum capacity up to 600KW, supports both solar and grid power charging, seamless switching, and have the programmable mode to realize the communication control with the lithium battery.

Adopting lifepo4 lithium battery, it is a system designed with series connecting battery modules. It has improved the overall safety and service life of the system through reliable BMS system and high-performance equalization technology. The whole system has the features of flexible configuration and high reliability. It is widely used in photovoltaic energy storage, household energy storage, data room, industrial energy storage

◆ Product Features:

- Adopting high reliability and high efficiency converter.
- Using square type lifepo4 lithium battery, laser welding process, green and Eco-friendly, high reliability and safety.
- Long lifespan, 5 years warranty, and the service life over 10 years.
- Modular design, easy for installation and maintenance.
- Small size and light weight. For the same capacity, the lithium battery weight and volume only 1/3 of the lead acid type.
- Flexible configuration, different capacities and voltages can be customized according to customer needs.

Lithium Battery System Structure



Combiner+High Voltage Box



Combiner



High Voltage Box

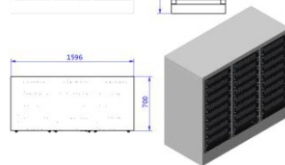
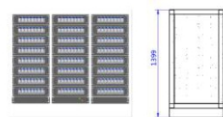
Module



Battery Group

Battery Group

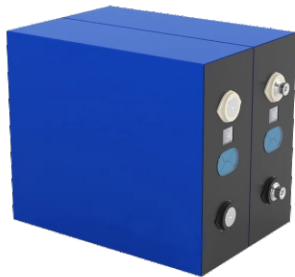
Battery Group



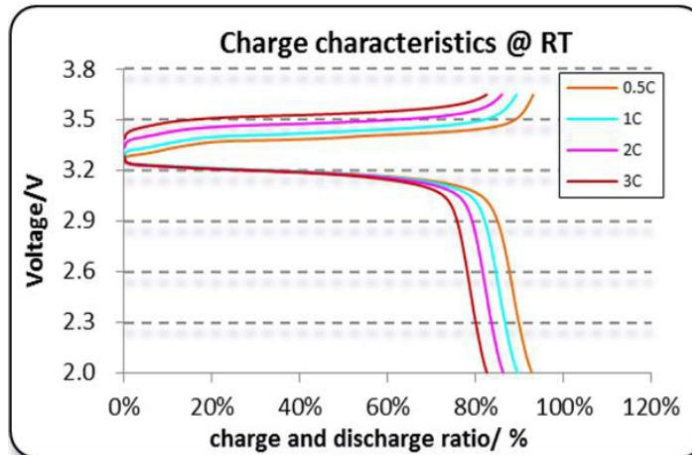
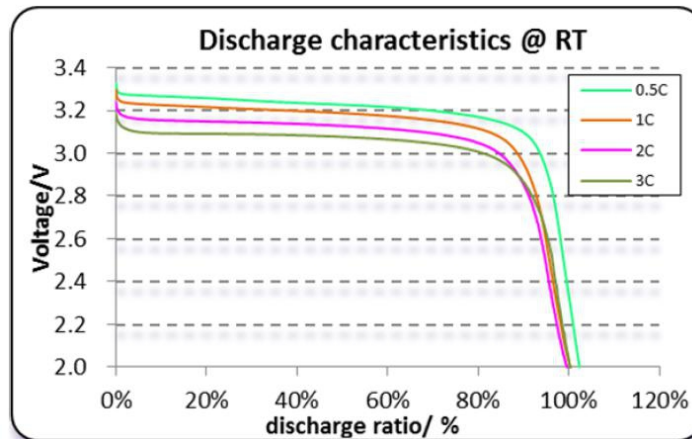
Battery System



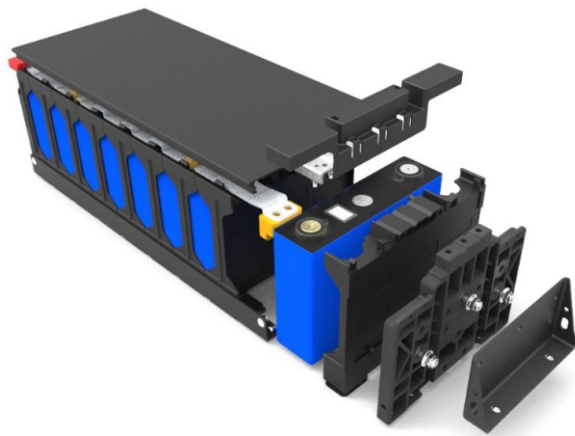
Battery Cell Parameter



Battery Cell Parameter	
Rated Voltage(V)	3.2V
Nominal Capacity (kWh)	896Wh
Operating Temperature	Charging 0-45°C
	Discharging -10-55°C
Weight	5.23 ± 0.16kg
Size	T71*L207*W173



Battery Module Parameter



Battery Module Parameter	
Rated Voltage(V)	19.2V
Rated Capacity(AH)	280AH
Nominal Capacity (kWh)	5.376KWH
Standard Charging (CC-CV Mode)	CC-CV,Charging Voltage 21.9V
	Current 0.3C
	Termination Current 0.05C
Standard Discharging (CC Mode)	CC Mode
	Rated Current 0.5C
	Maximum Current 1C
	Termination Voltage 15V
Maximum Discharging Power	5.3KW
Operating Temperature	-10°C-50°C
Size	W186*L475*H210mm
Weight	35kg

Battery Pack Parameter



16S Battery Pack	
Rated Voltage(V)	57.6V (18 Strings Of Iron Lithium), upper limit 65.7V, lower limit 45V
Rated Capacity(AH)	280AH
Nominal Capacity (kWh)	16.1KWH
Standard Charging (CC-CV Mode)	CC-CV Mode
	Current 0.3C
	Termination Current 0.05C
Standard Discharging (CC Mode)	CC Mode
	Rated Current 0.5C
	Maximum Current 1C
	Termination Voltage 40V
Maximum Discharging Power	16.5KW
Operating Temperature	-10°C-505°C
Size	W530*D630*H220mm

Battery Pack Parameter

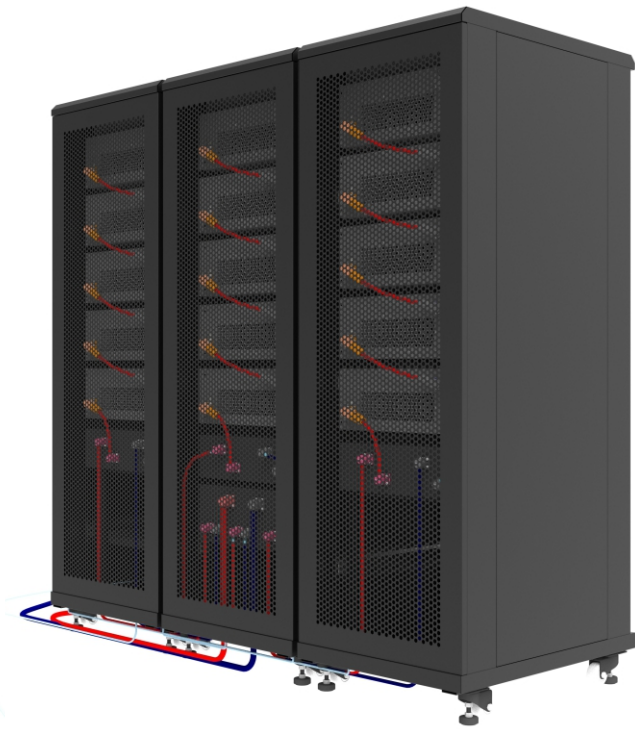


24S Battery Pack	
Rated Voltage(V)	76.8V
Rated Capacity(AH)	100AH
Nominal Capacity (kWh)	7.68KWH
Standard Charging (CC-CV Mode)	Charging Voltage 87.6V
	Current 0.3C
	Termination Current 0.05C
Standard Discharging (CC Mode)	Rated Current 0.3C
	Maximum Current 1C
	Termination Voltage 60V
Maximum Discharging Power	7.68KW
Operating Temperature	-10°C-55°C
Size	W482*L680*H176mm

Showcase







A modern glass skyscraper is shown on the left side of the image, set against a clear blue sky. The building's facade is composed of numerous vertical glass panels. In the foreground, there are some trees and a street lamp. The right side of the image is dominated by large, overlapping geometric shapes in shades of blue, creating a dynamic, abstract background.

Thanks!