

Dual Converter+Lithium Battery Storage System

Industrial And Residential Energy Storage System



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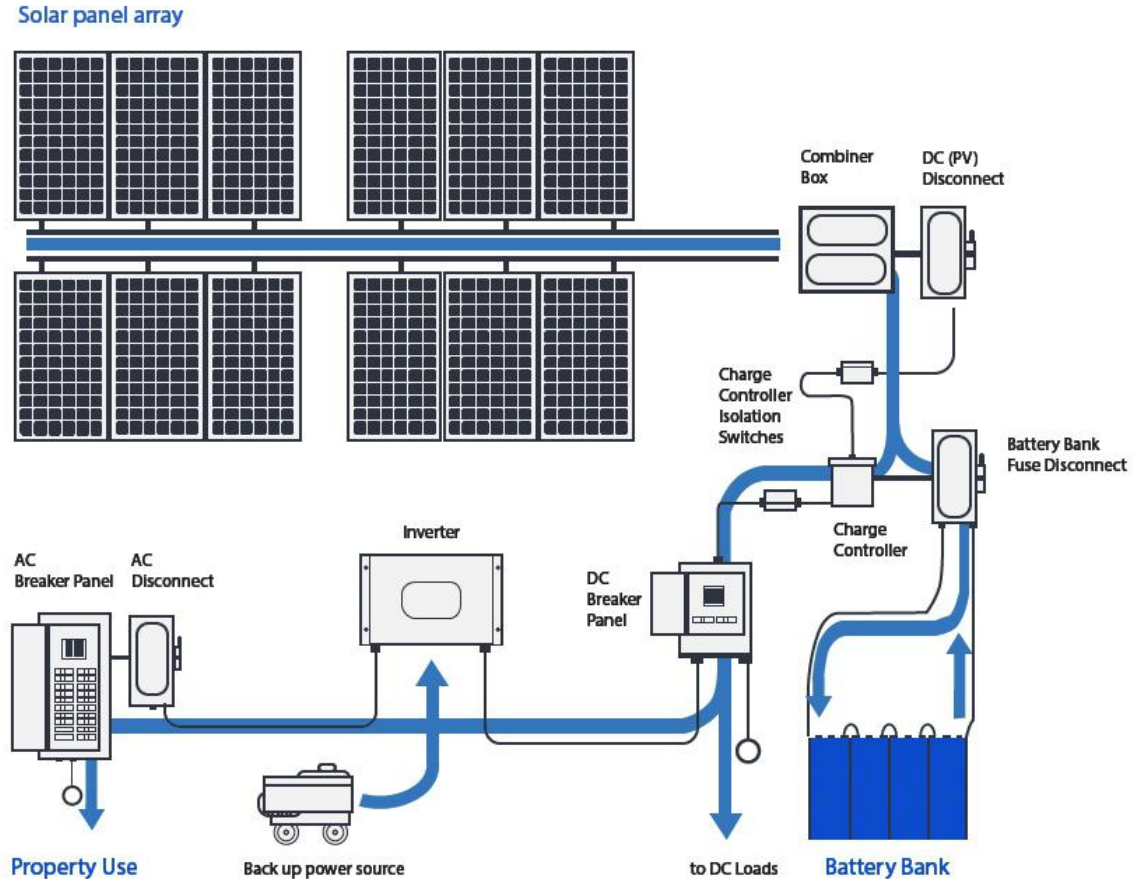
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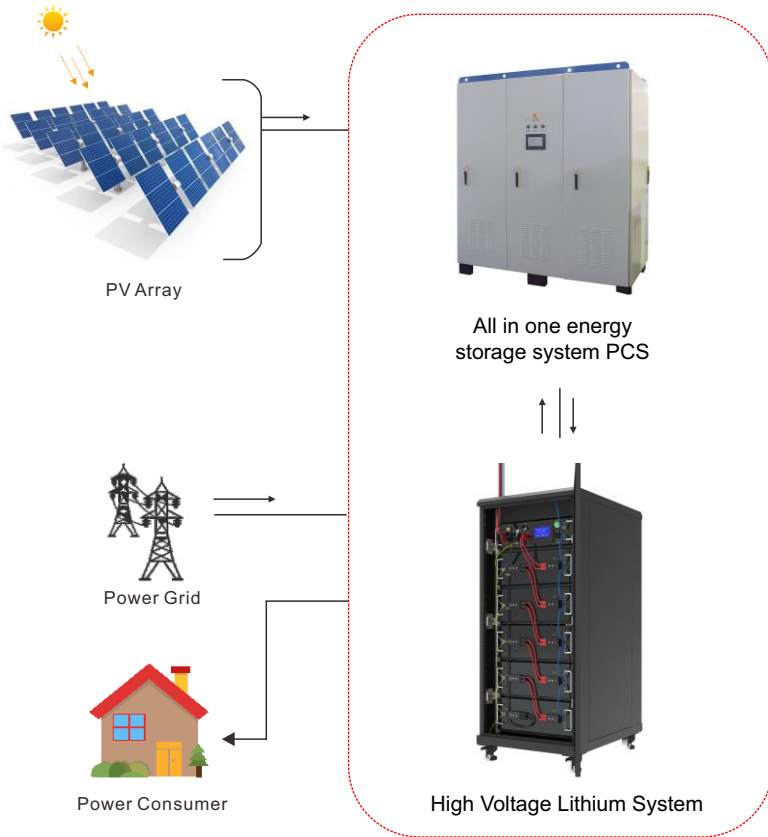
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Lithium Battery Solar Power System

Off Grid Solar System



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

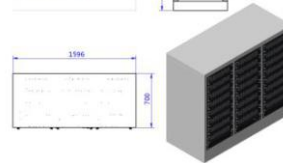
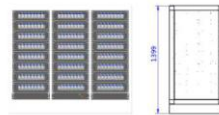
Module



Battery Group

Battery Group

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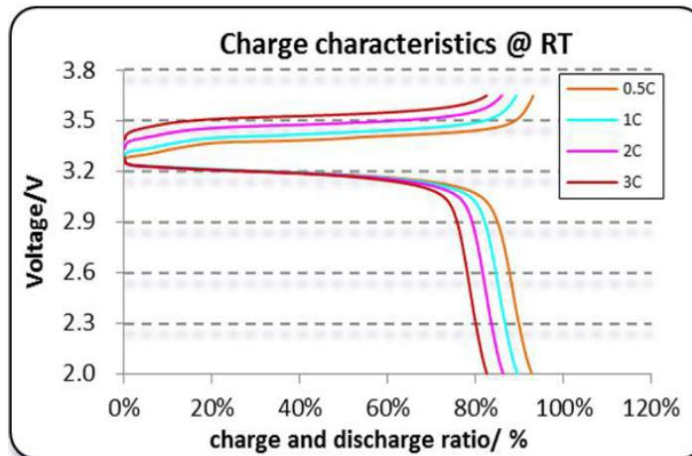
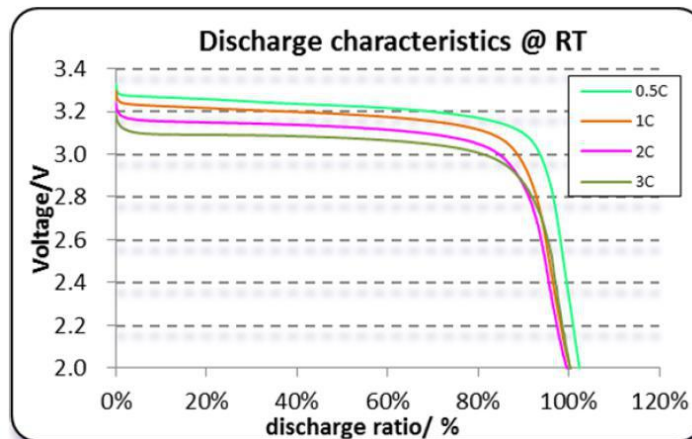
Battery System



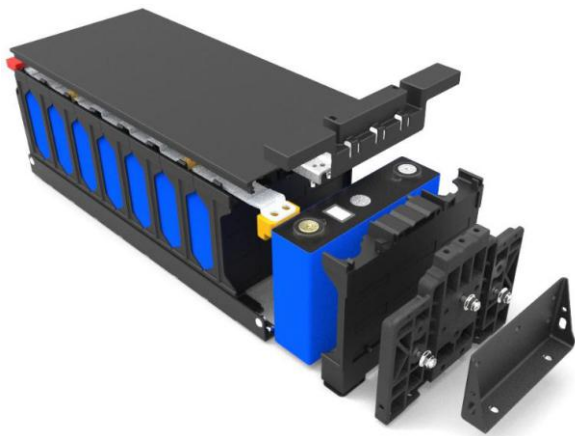
Battery Cell Parameter



Battery Cell Parameter	
Rated Voltage(V)	3.2V
Nominal Capacity (kWh)	320Wh
Operating Temperature	Charging 0-55°C
	Discharging -20-55°C
Weight	2.25kg
Size	H128*L173*W48



Battery Module Parameter



Battery Module Parameter	
Rated Voltage(V)	25.6V
Rated Capacity(AH)	100AH
Nominal Capacity (kWh)	2.56KWH
Standard Charging (CC-CV Mode)	Charging Voltage 29.2V
	Current 0.3C
	Termination Current 0.05C
Standard Discharging (CC Mode)	Rated Current 0.3C
	Maximum Current 1C
	Termination Voltage 20V
Maximum Discharging Power	2.5KW
Operating Temperature	-10°C-55°C
Size	W186*L475*H150mm

Battery Pack Parameter



16S Battery Pack	
Rated Voltage(V)	51.2V
Rated Capacity(AH)	100AH
Nominal Capacity (kWh)	5.12KWH
Standard Charging (CC-CV Mode)	Charging Voltage 58.4V
	Current 0.3C
	Termination Current 0.05C
Standard Discharging (CC Mode)	Rated Current 0.3C
	Maximum Current 1C
	Termination Voltage 40V
Maximum Discharging Power	5.1KW
Operating Temperature	-10°C-55°C
Size	W482*L680*H176mm

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









Thanks!

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