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## **Energy Storage System**

As the professional manufacturers, Dwys Solar would like to provide you Energy Storage System. A battery backup system is a great way to protect your home or business during a power outage!



## **Product Description**

Dwys Solar is Energy Storage System manufacturers and suppliers in China who can wholesale Energy Storage System.



A battery backup system is a great way to protect your home or business during a power outage!



A battery system can be used as a backup power source in case of a power outage. If the inverter detects a loss of power, it automatically switches to the battery system and keeps the power running while the battery lasts. Some of our businesses have installed enough batteries to keep their business running all day!



## Lithium

Lithium-ion batteries are the highest quality batteries on the market.

Why lithium?



### Advantages of Energy Storage System

10X longer lifespan than lead-acid

Automatic built in battery protection: won't let the battery discharge too much, causing damage.

Charge can safely drop to about 20% without damaging the battery.

99% efficient

Longer run time

No maintenance

Less weight

No corrosion

Lithium batteries are also much safer than other batteries because they have no battery acid, no risk of explosion, and have built-in safety features.





<b>Inverter</b>	Rated power	4000W	5000W	
	Output voltage waveform	Pure sine wave		
	Output voltage regulation	230Vac±5%		
	Output frequency	50Hz or 60Hz (±0.2Hz)		
	Peak efficiency	90%		
	Nominal DC input voltage	48Vdc	48Vdc	
	Standby Consumption	< 25W		
<b>AC Input</b>	AC input voltage	230Vac ±5%		
	Acceptable input voltage range	170-280VAC		
	Nominal input frequency	50Hz / 60Hz (Auto detection)		
	Transfer time	10ms typical (UPS, VDE); 20ms typical (APL)		
<b>AC Charge</b>	Charging current @ Nominal input voltage	60A-60A	20A-30A	
	Charging Algorithm	4-step (Li)		
<b>Output</b>	AC output	230Vac (Socket *4pcs)		
	USB (5V 2.4A)	DC output*2pcs		
	USB (12V DC5.5, 3A)	DC output*1pc		
<b>Lithium Battery</b>	Energy	10240Wh / 15360Wh / 20480Wh / 25600Wh		
	Nominal voltage	51.2V		
	Battery capacity	200AH/300AH/400AH/500AH		
	Standard charging and discharge current	100A		
	Maximum continuous charging & discharge current	100A		
	Operation ambient temperature	Charge	0~45°C	
		Discharge	-20~55°C	
<b>Dimension</b>	Product Size (LxWxH)	/	/	
	Packing Size (LxWxH)	/	/	
	Net Weight	/	/	
	Gross Weight	/	/	

