



PYLON TECHNOLOGIES

www.pylontech.com.cn

Solar Energy Storage System



The new photovoltaic energy storage system from Pylon Technologies has more than 6000 times cycle life. This makes it perfect for daily discharge scenarios. It is a long-life solar energy storage system based on lithium ion battery technology configured with an inbuilt battery management systems (BMS).

The system provides high security configuration, anti-reverse, anti short circuit, high voltage protection and other functions to ensure maximum performance and security.



Pylontech Battery -- Best Product for Home Energy Storage

FASTEST ROI:

- Larger charging pipeline consumes all energy generated by PV
- Deeper DoD to save and use more energy every day
- Superb life cycles ensure the lowest cost per Wh.Time

DESIGNED FOR HOME USAGE:

- Smaller footprint, superior aesthetics, minimal maintenance
- Modular design for easy installation and product swap
- Less temperature sensitivity, can be put indoors or outdoors
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HIGHEST SAFETY STANDARD:

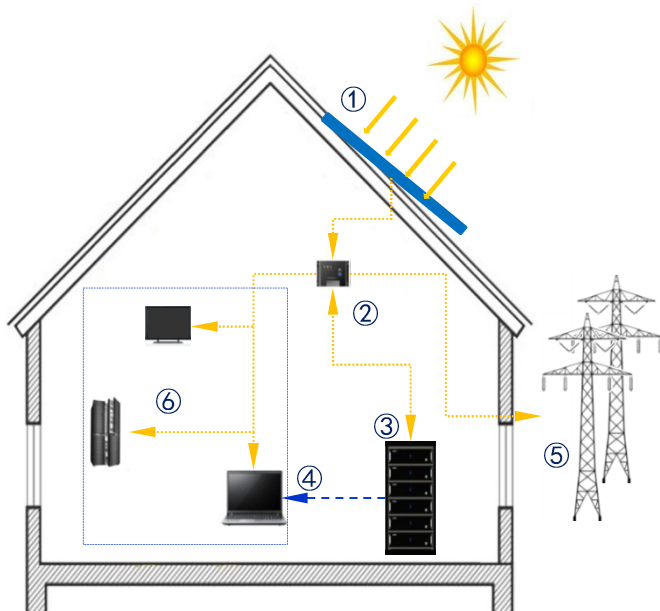
- Multiple layer protection method to ease any current/voltage/temperature risk
- Intelligent BMS report and alarm any abnormal status in real time



Solar Energy Storage System



Residential Solar Energy Storage System



1. Solar panel
2. The controller
3. Long-life lithium ion battery (storage unit)
4. Battery management system
5. On-grids
6. Domestic appliance

Battery Installation Instructions:

- Battery system in parallel to expand the storage capacity, up to 2000Ah;
- System can be installed in the supporting chassis, on floor or wall mounting, 50% less space than lead-acid batteries;
- Maintenance free during the battery life cycle;
- Automatic management of charge and discharge, protection, alarm



Specifications

CATEGORIES	BASIC PARAMETERS	EX 2000
NOMINAL PARAMETERS	Nominal Voltage (V)	48
	Nominal Capacity (Ah)	50
STRUCTURE PARAMETERS	Size (mm)	436*370*132
	Weight (Kg)	25
ELECTRIC PARAMETERS	Discharge Voltage (V)	43.5 ~ 54
	Charge Voltage (V)	52.5 ~ 54
	Maximum Discharge Current (A)	50
	Maximum Charge Current (A) (Current Limit Mode)	10
	Maximum Charge Current (A) (Non-Current Limit Mode)	50
OTHER PARAMETERS	Communication Port	RS232 , RS485
	Expected Life	10 Years (25°C/77°F) > 6000 (Temp. 25°C/77°F, DOD 80%)
	Shelf Life	6 Months shut off (It requires charging over 6 months, 25°C/77°F)
	Operation Temperature	0°C~50°C (32°F~122°F)