



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
-

HIGHEST SAFETY STANDARD:

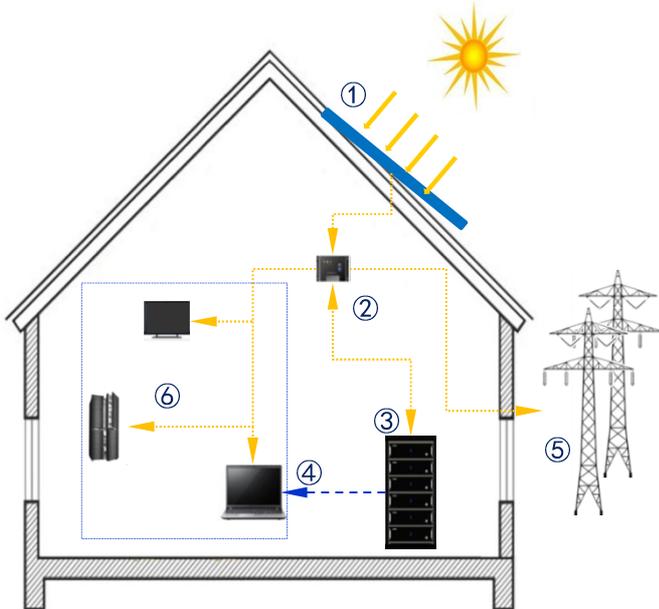
- Multiple layer protection method to ease any current/voltage/temperature risk
- Intelligent BMS report and alarm any abnormal status in real time



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
OTHER PARAMETERS	Maximum Charge Current (A) (Non-Current Limit Mode)	50
	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)

