



Solar Energy Storage System



The new photovoltaic energy storage system from Pylontech with ultra-long cycle life is designed for daily discharge scenario. Based on LFP (Lithium Iron Phosphate) battery configured with BMS (Battery Management System), the system provides different level of configuration and protection such as anti-reverse, anti-short circuit, high/low voltage, high/low temperature protection to ensure the highest safety standard.



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 give customers freedom of capacity options.
Less temperature sensitivity, could be put indoor or outdoor

Highest Safety Standard:

Natural olive structure, hardly catching fire even in severe environment
Multiple layer protection method to ease any current/voltage/temperature risk
Intelligent BMS report and alarm any abnormal status in real time



Product Appearance

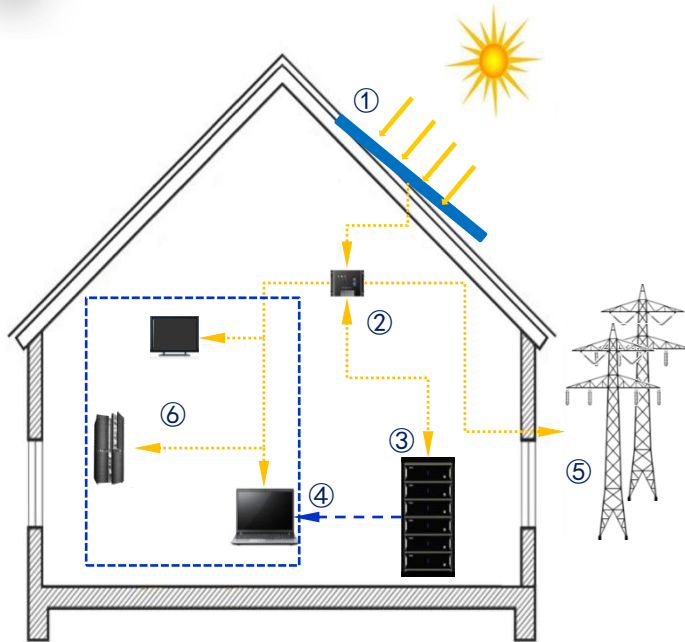


Ex 2000

Solar Energy Storage System



Residential Solar Energy Storage System



1. Solar panel
2. Controller
3. Pylontech battery
4. Battery management system
5. Grids
6. Load

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
	Typical Capacity (Ah)	50
Structure Parameters	Dimension (mm)	436*370*132
	Weight (Kg)	25
Electric Parameters	Voltage (V)	43.5 ~ 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	RS232 RS485 compatible
	Warranty	5 Years
	Expected Life	> 10 Years (25°C/77°F) > 6000 (Temp. 25°C/77°F, DoD 80%)
	Shelf Life	6 Months shut off (25°C/77°F)
	Operation Temperature	0°C~50°C (32°F~122°F)