



# 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*

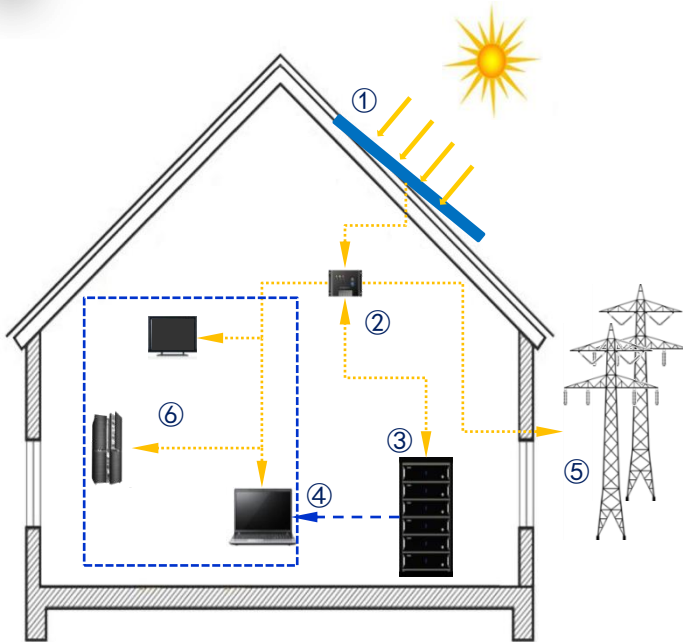


Ex 2000

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## 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
	Battery technology	LFP
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
	Cells number	30 cells - 2 series of 15 cells connected in parallel
Other Parameters	Communication	RS232 RS485 compatible
	Warranty	5 Years
	Expected Life	> 10 Years (25°C) > 4000 (Temp. 25°C/77°F, DoD 80% - EOL 85%) > 6000 (Temp. 25°C/77°F, DoD 80% - EOL 60%)
	Shelf Life	6 Months shut off ( 25°C/77°F )