



**LOW VOLTAGE ENERGY STORAGE SYSTEM  
-FOR RESIDENTIAL AND SME**

# Pylon Technologies Co., Ltd.

As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, Pylontech has provided various battery solutions for nearly all kinds of ESS applications.

Thanks to our self-developed core technology in cells/BMS/system design, Pylontech has delivered more than 1.5GWH batteries serving 200,000+ users.



## Vertical industry integration chain

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## Advantage

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- Developed with our own LFP (lithium iron phosphate) cell to ensure the highest safety
- Self-designed BMS protects the cell in all angles such as abnormal temperature, current, voltage, SoC, SoH
- Vertical industry integration ensures more than 6000 cycles with 90% DoD
- Modular design gives the end customers the power of choice of capacity
- Compatible with most of the available Hybrid inverters
- Simple buckle fixing minimize the installation time and cost

## Specification



Basic Parameters	US2000	Phantom-S	US3000
Nominal Voltage (V)	48	48	48
Nominal Capacity (Wh)	2400	2400	3552
Usable Capacity (Wh)	2200	2200	3200
Dimension (mm)	442*410*89	440*440*88.5	442*420*132
Weight (Kg)	24	24	32
Discharge Voltage (V)	45 ~ 53.5	45 ~ 53.5	45~53.5
Charge Voltage (V)	52.5 ~ 53.5	52.5~53.5	52.5~53.5
Charge / Discharge Current (A)	25(Recommend)	25(Recommend)	37 (Recommend)
	50 (Max)	50 (Max)	74 (Max)
	100 (Peak@15s)	100 (Peak@15s)	100 (Peak@15s)
Communication Port	RS485, CAN	RS485, CAN	RS485, CAN
Single string quantity(pcs)	8	8	8
Working Temperature/°C	0~50	0~50	0~50
Shelf Temperature/°C	-20~60	-20~60	-20~60
Humidity	5%~85%	5%~85%	5%~85%
Altitude (m)	<2000	<2000	<2000
Design life	10+ Years (25°C/77°F)	10+ Years (25°C/77°F)	10+ Years (25°C/77°F)
Cycle Life	>6000, 25 C	>6000, 25 C	>6000, 25 C
Authentication Level	UL/IEC62619/CE /UN38.3	IEC62619/CE /UN38.3	IEC62619/CE /UN38.3

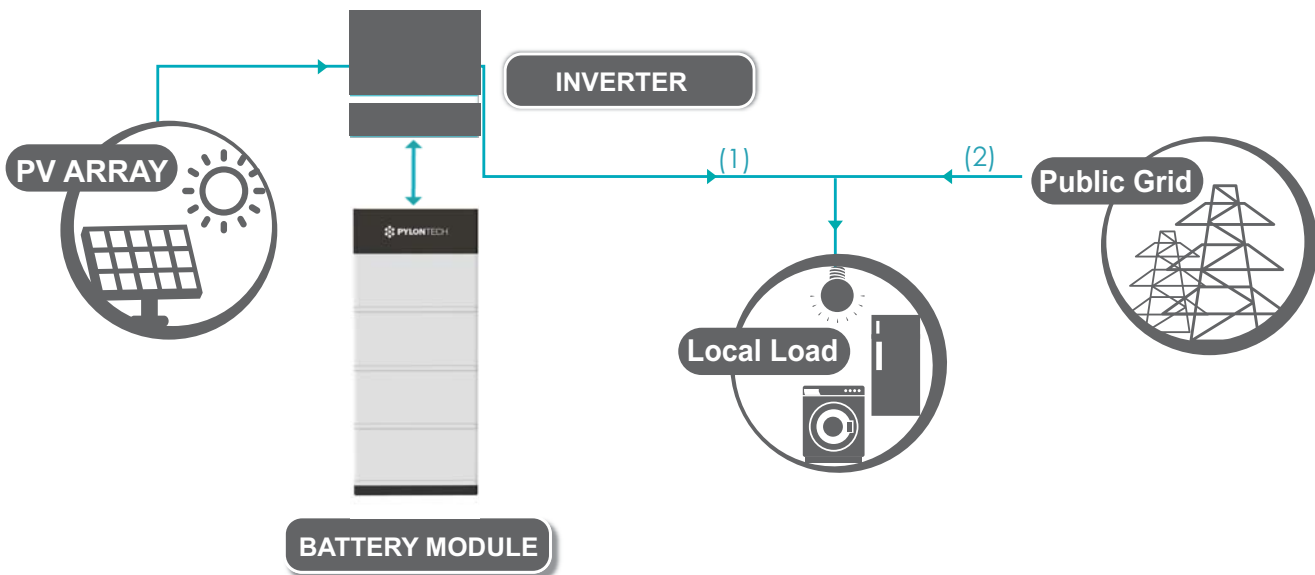
## **PYLONTECH FORCE-L1**

Pylontech Force L1 is the latest version of HESS (home energy storage system), inherit with our modular design concept, combined with easy installation, simple connectors and outdoor compatibility, the furniture type of equipment is your ideal place to hold your valuable force - the electricity.

### **Advantages**

1. Modular design gives highest flexibility
2. LFP cell inside enable longest life and highest safety
3. Quick connector to save installation time
4. Furniture like design suits both indoor and outdoor installation
5. Proven BMS with widest compatibilities with inverters

### **Solution of ESS**



## Technical Specification



Battery Module	2	3	4
Nominal Capacity (kWh)	7.10	10.65	14.20
Voltage Range (V)	44.5~54	44.5~54	44.5~54
Dimension (W*D*H cm)	50*38*69	50*38*93	50*38*116
Weight (kg)	85	120	155
Depth of Discharge	90%	90%	90%
Charge/Discharge (Recommend)	29.6	44.4	59.2
Current(A) (Continuous)	37	74	100
(Peak@15s)	150	150	150
Communication	CAN, RS485		
Protection Class	IP 55		
Working Temperature(℃)	0~50		
Storage Temperature(℃)	-20~60		
Humidity	5%~85%		
Altitude (m)	<2000		
Design Life	15 <sup>+</sup> Years(25℃/77℉)		
Cycle Life	>6000, 25℃		
Authentication Level	IEC62619/CE/UN38.3		