



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

# Pylon Technologies Co., Ltd.

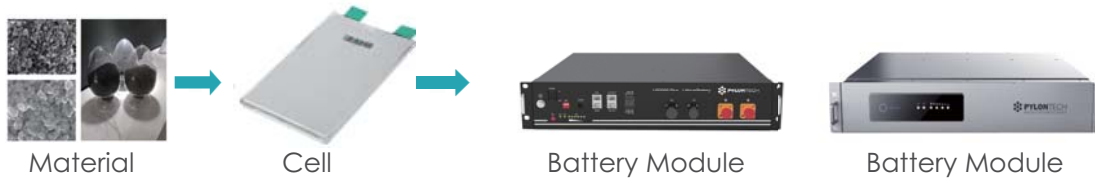
As the leading vertically integrated manufacturer of lithium iron phosphate battery systems, Pylontech has provided various battery solutions for nearly all kinds of ESS applications.

Thanks to our self-developed core technology in cells/BMS/system design, Pylontech has delivered more than 1.5GWH batteries serving 90,000+ 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 angels 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
Depth of Discharge	90%	90%	90%
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/℃	0~50	0~50	0~50
Shelf Temperature/℃	-20~60	-20~60	-20~60
Protection Class	IP20	IP20	IP20
Humidity	5%~85%	5%~85%	5%~85%
Altitude (m)	<2000	<2000	<2000
Design life	15 <sup>+</sup> Years (25℃/77°F)	15 <sup>+</sup> Years (25℃/77°F)	15 <sup>+</sup> Years (25℃/77°F)
Cycle Life	>6000, 25℃	>6000, 25℃	>6000, 25℃
Authentication Level	UL/IEC62619/CE /UN38.3	IEC62619/CE /UN38.3	IEC62619/CE /UN38.3