



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

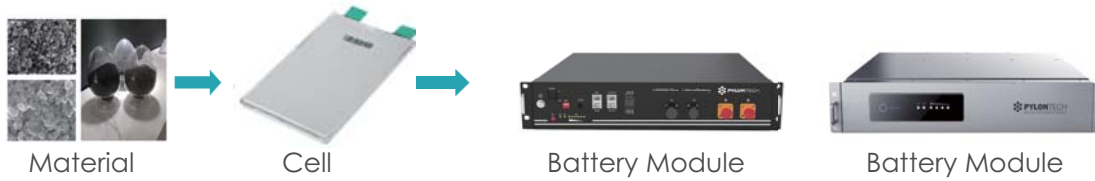
Pylon Technologies Co., Ltd.

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



Advantage

- 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 |
| 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/°C | 0~50 | 0~50 | 0~50 |
| Shelf Temperature/°C | -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 ⁺ Years (25°C/77°F) | 15 ⁺ Years (25°C/77°F) | 15 ⁺ 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 |