



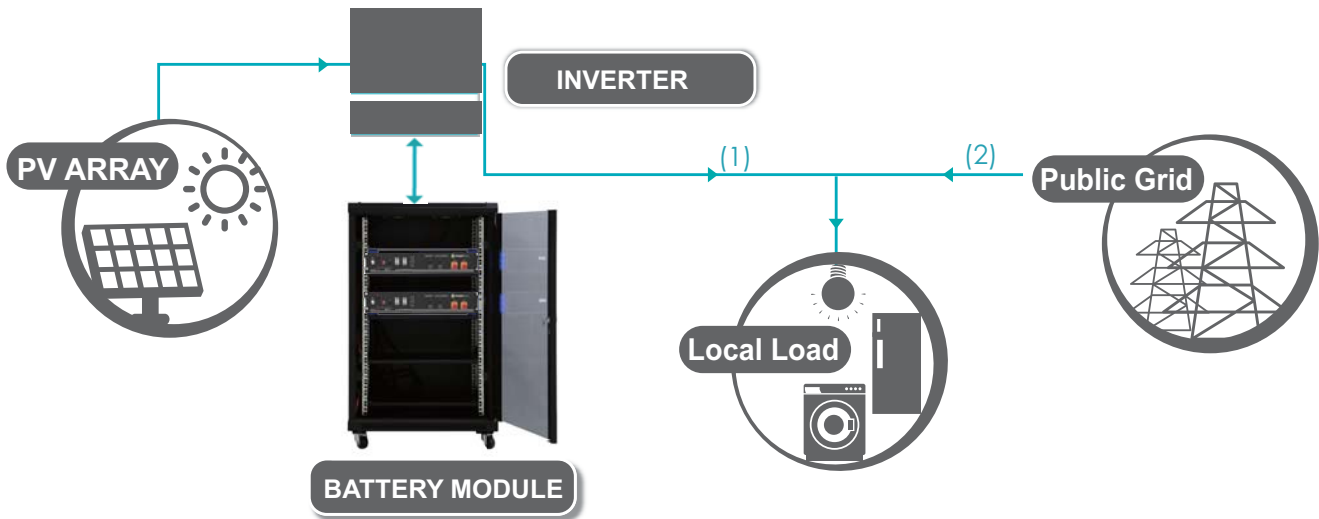
**LOW VOLTAGE ENERGY STORAGE SYSTEM  
-FOR RESIDENTIAL AND SME**



**PYLONTECH**

## Solution of ESS

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## Key Features of ESS

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- Developed with our own LFP (lithium iron phosphate) cell to ensure the highest safety and most promising cycle life
- Self-designed BMS protects the cell in all angles such as abnormal temperature, current, voltage, SoC, SoH
- Maintenance free and easy installation saves the valuable main power

## Vertical industry integration chain

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## Advantages

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Vertical industry integration ensures more than 6000 cycles with 90% DoD

Compact and fashionable design fits in your sweet home environment

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

Safety Cert. TÜV CE UN38.3



UN38.3

## 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 (Recommended)      | 25 (Recommended)      | 37 (Recommended)      |
|                                | 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/TÜV/CE /UN38.3     | TÜV/CE /UN38.3        | TÜV/CE /UN38.3        |