



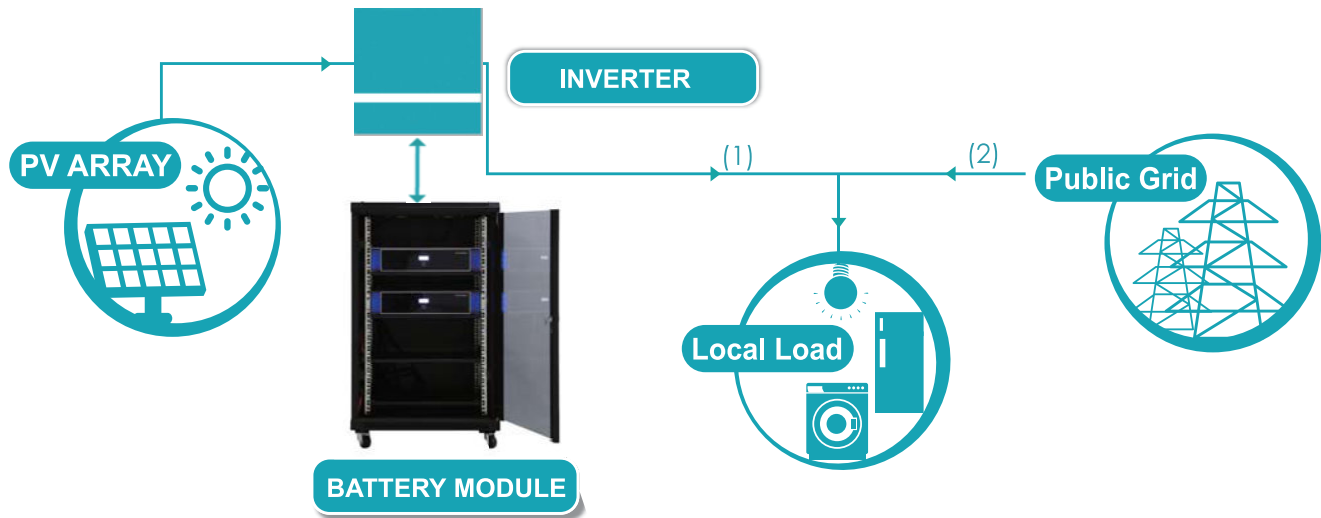
**LOW VOLTAGE ENERGY STORAGE SYSTEM**

**FOR RESIDENTIAL AND SME**



**PYLONTECH**

## Solution of ESS



## Key Features of ESS

- Developed with our own LFP (lithium iron phosphate) cell to ensure the highest safety and most promising life cycle
- 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



## Advantages

Vertical industry integration ensures more than 4500 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	US2000B Plus	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	445*428*97.5	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	RS232, RS485, CAN	RS232, RS485, CAN	RS232, RS485, CAN
Single string quantity (pcs)	8	8	12
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)	10+ Years (25°C /77)	10+ Years (25°C /77)
Cycle Life	>4500, 25°C	>4500, 25°C	>4500, 25°C
Authentication Level	TÜV / CE / UN38.3	TÜV / CE / UN38.3	TÜV / CE / UN38.3