



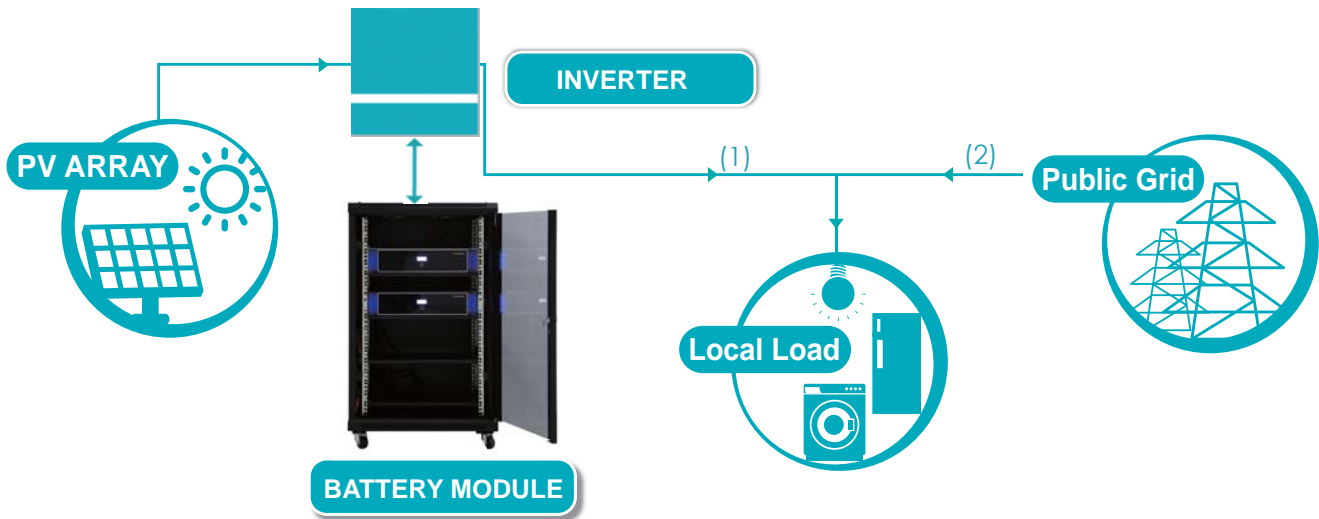
LOW VOLTAGE ENERGY STORAGE SYSTEM

-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 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



Advantages

Vertical industry integration ensures more than 4500 cycles with 90% DoD

Compact and fashionable design fits in your sweet home environment

Deliver up to 5KW with single module (2.4KWh)

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



Specification	Basic Parameters	US2000B Plus	Phantom-S
Nominal	Nominal Voltage (V)	48	48
	Nominal Capacity (Ah)	50	50
Physical	Dimension (mm)	440*410*89	445*428*97.5
	Weight (Kg)	24	24
Electrical	Discharge Voltage (V)	45 ~ 54	45 ~ 54
	Charge Voltage (V)	52.5 ~ 54	52.5 ~ 54
	Charge / Discharge Current (A)	25 (Recommended)	25 (Recommended)
		50 (Max)	50 (Max)
100 (Peak@2s)		100 (Peak@2s)	
Others	Communication Port	RS232, RS485, CAN	RS232, RS485, CAN
	Working Temperature/°C	0~50	0~50
	Shelf Temperature/°C	-20~60	-20~60
	Authentication Level	TÜV / CE / UN38.3	TÜV / CE / UN38.3
	Design life	10+ Years (25°C/77°F)	10+ Years (25°C/77°F)
	Cycle Life	>4500 (90% DoD)	>4500 (90% DoD)