PYLONTECH

LOW VOLTAGE ENERGY STORAGE SYSTEM

-FOR SMART MICRO ENERGY

Vertical industry integration chain

01 Cathode R&D

02 Automated Cell production

03 BMS / module

04 System Integration

Only FOCUS on Energy Storage
With more than 3.0 GWh serving
200,000+ users. Globally

With most care to your Safty
Most international safety standard had been done for the cells,module and system

UN38.3

Advantage

Compact Size for Space Saving

Reliable Performance

Vertical industrial Chain

95% DOD with more usable capacity

10+ years technical proven

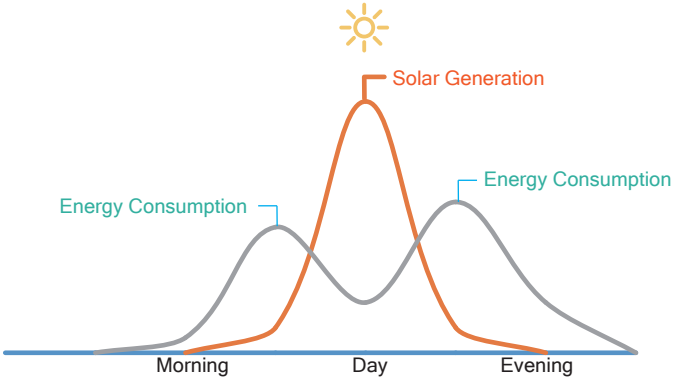
Modular design for expansion

Superior low failure rate

Life span for 10+years

Why
need battery storage system?

High-efficiency for your power distribution
Cut and **save your electricity bills**



Electricity power occupies more than half of increasing energy consumption in this decade, DER (distributed energy resources) is crucial today during the COVID-19 pandemic while the conventional grid is less reliable because of the less manpower available.

Realize your grid **Independence**

Keep your grid avaible during
terrible whether or extreme situation

Specification

Specification	Basic Parameters	UP5000
Nominal	Nominal Voltage (V)	48
	Nominal Capacity (Wh)	4,800
	Ussable Capacity (Wh)	4,560
Physical	Dimension (mm)	442*420*165
	Weight (Kg)	41
Electrical	Discharge Voltage (Vdc)	44.5
	Charge Voltage (Vdc)	52.5 ~ 53.5
	Charge / Discharge Current (Amps)	50 (Continuous) 74-89 (60sec) 90-200A (Peak@15sec)
Others	Communication Port	RS485,CAN
	Single string quantity(pcs)	16
	Working Temperature/℃	0~50 Charge
		-10~50 Discharge
	Shelf Temperature/℃	-20~60
	Altitude (M)	< 4000
	IP rating	IP20
	Humidity (RH)	5~95%
	Certification	IEC62619/CE/ UN38.3
	Design life	10+ Years (25℃/77℉)
	Cycle Life	>4,500 (25℃)