



Residential BESS

-Rack Mounted type



Safety

Multi-protection from self developed BMS



Optimal Electricity Cost

Long cycle life and superior performance



Compact Size & East Installation

Module design help for quick installation



Easy to Scale Up

Be workable to be parallel based on 48V



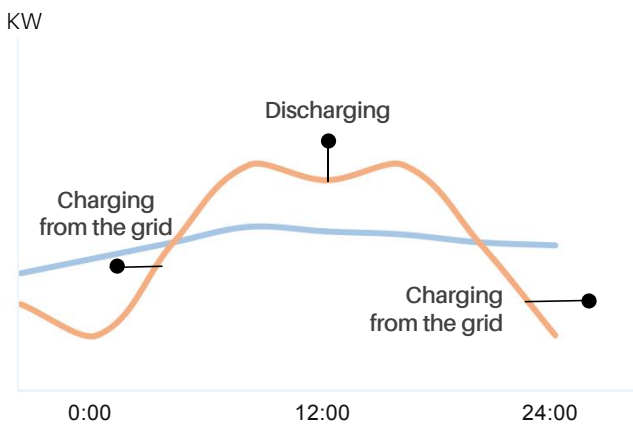
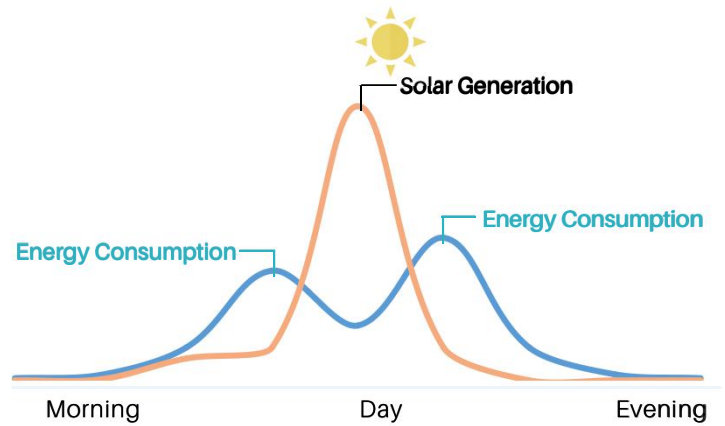
Compatibility

Compatible with Tier 1 inverter brands

How to save bill from Residential ESS?

1. Self-Consumption Optimization

High energy demand in the morning and evening but solar generation is most sufficient during the Mid-Day. Battery Storage system balance the feeding and demands. Realize your grid independence.



2. Benefits from Peak Shaving

House: Load Shifting

Store the power during low-peak and use the energy at peak-time. Save the money which happens arising from peak rate.

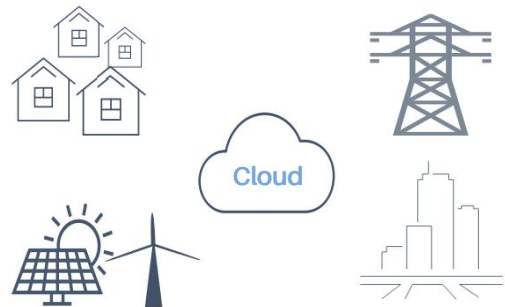
Transmission&Distribution: peak Shaving

Save on the electricity bills by reducing peak demand

3. VPP Revenue

VPP creates a network of renewable energy sources and battery storage systems, connected through a cloud-based technology that manages the stability of clean electricity to maximize your revenue.

Enabling a cost reduction, as well as boosting the system's efficiency



SPECIFICATION (48V)



Module	US2000C	US3000C	US5000	US5000B
Basic Parameters				
Nominal Voltage (Vdc)	48	48	48	48
Nominal Capacity(Wh)	2400	3552	4800	4800
Usable Capacity(Wh)	2280	3374	4560	4560
Dimension(mm)	442*410*89	442*420*132	442*420*161	442*420*161
Weight(kg)	24	32	39.5	39.5
Charge/Discharge Current(A)	(Recommend) 25 (Max) 89@60sec (Peak) 200@15sec	37 89@60sec 200@15sec	75 120@15min 200@15sec	75 120@15min 200@15sec
Communication Port	RS485,CAN			
Single string quantity(pcs)	16	16	16	16
Working Temperature/ °C	Charge	0~50		
Working Temperature/ °C	Discharge	-10~50		
Shelf Temperature/ °C	-20~60			
Short current/duration time	<4000A/2ms			
IP rating of enclosure	IP20			
Cooling type	Natural			
Humidity	5% ~ 95%(RH) No Condensation			
Altitude(M)	<4000			
Design life	15+ Years (25°C/77°F)	15+ Years (25°C/77°F)	15+ Years (25°C/77°F)	15+ Years (25°C/77°F)
Cycle Life	>6,000 25°C	>6,000 25°C	> 6,000 25°C	>6,000 25°C
Authentication Level	IEC62619/CE UN38.3	VDE2510-50 IEC62619/UL1973 UL9540A/CE/UN38.3	IEC62619/IEC63056UL 1973 UL9540A/CE /UN38.3/UKCA	IEC62619/IEC63056 UL1973 /UL9540A/CE /UN38.3/UKCA
Remark			without breaker	with breaker

Pylon Technologies Co., Ltd
No. 73, Lane 887, Zu Chongzhi Road,
Zhangjiang Hi-Tech Park
Pudong, Shanghai
201203, China

www.pylontech.com
sales@pylontech.com.cn



Pylontech, Cube the force
www.pylontech.com.cn sales@pylontech.com.cn