

Residential BESS

US Series

Powercube X Series



Safety and Reliability

Ensured by self-designed and manufactured cell, modules and BMS



Optimal Electricity Cost

Long cycle life and superior performance



Compact Size & Easy Installation

Module design for quick installation



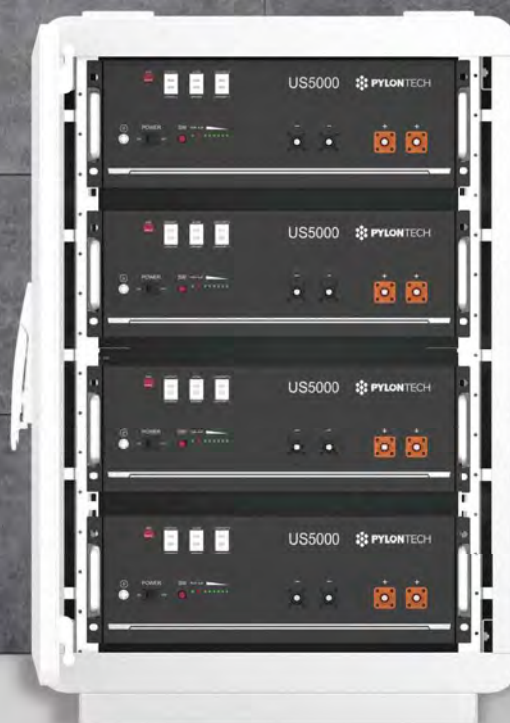
Easy to Scale Up

Multi-groups in parallel to expand the capacity.



Compatibility

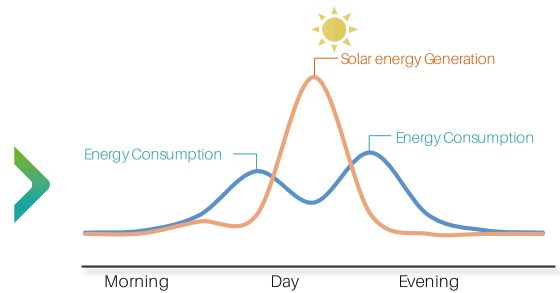
Compatible with Top inverter brands



How to save on bill from Residential ESS?

Self-Consumption Optimization

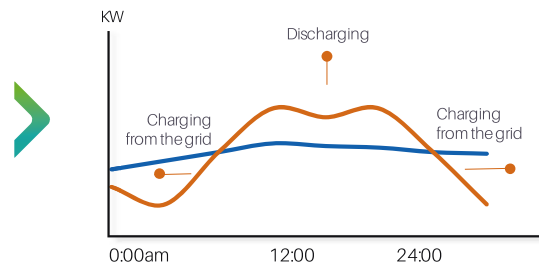
High energy demand in the morning and evening but solar energy generation is most sufficient during the Mid-Day. Battery storage system balances the feeding and demands. Realize your grid independence.



Benefits from Peak Shaving

House: Load Shifting

Store energy during off-peak and use energy at peak-time. Save on the electricity bills by reducing peak demand.






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)

				
Model	US2000C	US3000C	US5000	
Basic Parameters				
Nominal Voltage (Vdc)	48	48	48	
Nominal Capacity(kWh)	2.4	3.55	4.8	
Usable Capacity(kWh)	2.28	3.37	4.56	
Dimension(mm)	442*410*89	442*410*132	442*420*161	
Weight(kg)	22.5	32	39.7	
	(Recommend)	25	37	80*
Charge/	(Max. Continuous)	25	37	100*
Discharge	(Peak 1)	50~89@60sec	74~89@60sec	101~120@15min
Current(A)	(Peak 2)	90~200@15sec	90~200@15sec	121~200@15sec
Communication Port		RS485,CAN		
Single string quantity(pcs)	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	<4000A/2ms	<2000A/1ms	
IP rating		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)	
Cycle Life	>8,000 25 C	>8,000 25 C	> 8,000 25 C	
Certification	UL1642/ IEC62619 /ICE63056 /ICE61000-6-2/3 UN38.3	UL1973 /UL1642 /UL9540A/VDE2510-50 /IEC63056/IEC62619 /IEC62040/IEC62477-1 /ICE61000-6-2/UN38.3	UL1973/UL9540A IEC62619/IEC63056 /ICE61000-6-2/3 /UN38.3	