PYLONTECH Cube the force



Residential BESS

-Rack Mounted type



Safety Multi-protection from self developed BMS

Optimal Electricity Cost Long cycle life and superior performance



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)

				- 1 8 8 8 (15000 феннени) 6 - П. Т. П	
Module		US2000C	US3000C	US5000	US5000B
Basic Para	meters				
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)		22.5	32	39.7	40
Charge/ Discharge Current(A)	(Recommend) (Max. Continu) 25 Ious) 25	37 37	80* 100*	80* 100*
	(Peak 1)	50~89@60sec	74~89@60sec	101~120@15min	101~120@15min
	(Peak 2)	90~200@15sec	90~200@15sec	121~200@15sec	121~200@15sec
Communication Port			RS485,CAN		
Single string quantity(pcs) 16	16	16	16
Working Temperature/ °C Charge		Charge	0~50		
Working Temperature/ ℃		Discharge	-10~50		
Shelf Temperature/ °C		-20~60	-20~60	-20~60	-20~60
Short current/duration time		<4000A/2ms	<4000A/2ms	<2000A/1ms	<2000A/1ms
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℃	>6,000 25℃	> 6,000 25℃	>6,000 25℃
Authentication Level		UL1642/ IEC62619 /ICE63056 /ICE61000-6-2/3 UN38.3	UL1973 /UL1642 /UL9540A/VDE2510-50 /IEC63056/IEC62619 /TEC62040/IEC62477-1 /ICE61000-6-2/UN38.3	UL1973/UL9540A IEC62619/IEC63056 /ICE61000-6-2/3 /UN38.3	UL1973/UL9540A IEC62619/IEC63056 /ICE61000-6-2/3 /UN38.3
Remark				without breaker	with breaker

*: The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.