

Residential BESS

Stackable type -Force series



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

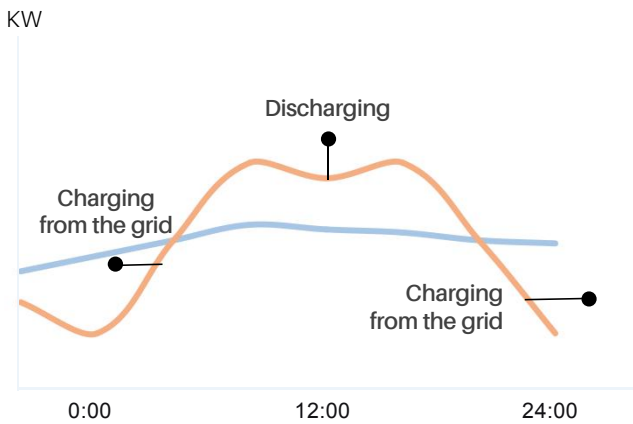
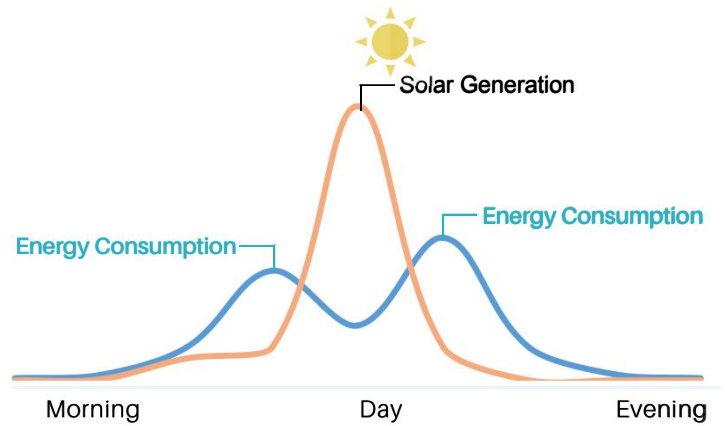
Compatible with Tier 1 inverter brands

PYLON

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.

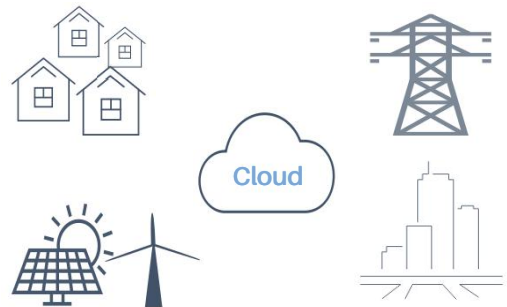
Transmission&Distribution: peak Shaving

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 (96~336 V)

(Force-H1/H2)



Basic Parameters		Force-H1	Force-H2
Battery Module		FH48074	FH9637M
Battery Module Voltage(Vdc)		48	96
Battery Module Capacity(Ah)		74	37
Battery Module Qty. (Optional)		3~7 pcs	2~4 pcs
Battery System Capacity(kWh)		24.86	14.21
Battery System Voltage (V)		336	384
Dimension (W*D*H mm)		600*380*1380	450*296*1415
Weight(kg)		259	155
Depth of Discharge		95%	
Charge/ Discharge Current(A)	(Recommend)	37	18.5
	(Max.)	40	
Communication		RS485, CAN	
Protection Class		IP55	
Working Temperature/ °C		0~50	
Shelf Temperature/ °C		-20~60	
Humidity		5%~95%(w/o condensing)	
Altitude		< 2000	
Design Life		15+ Years (25°C/°F)	
Cycle Life		>5000, 25°C	
Authentication level		UL1973/VDE2510-50 /IEC62619/IEC62477/ IEC62040/CE/UN38.3	VDE2510-50/IEC62619 /IEC62477/ IEC62040 /CE/UN38.3

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