



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

Moduledesignhelpforquickinstallation



Easy to Scale Up

Beworkabletobeparallel based on 48V



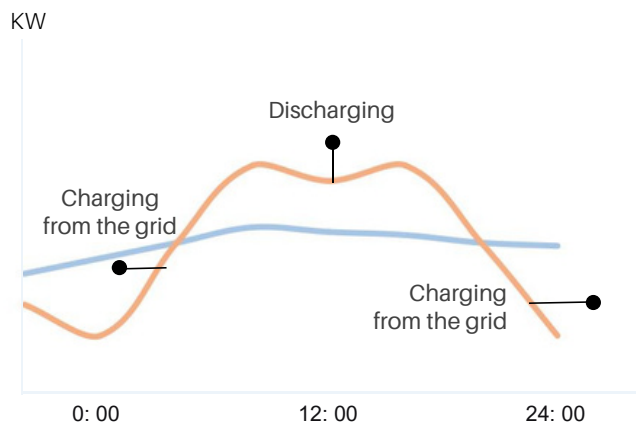
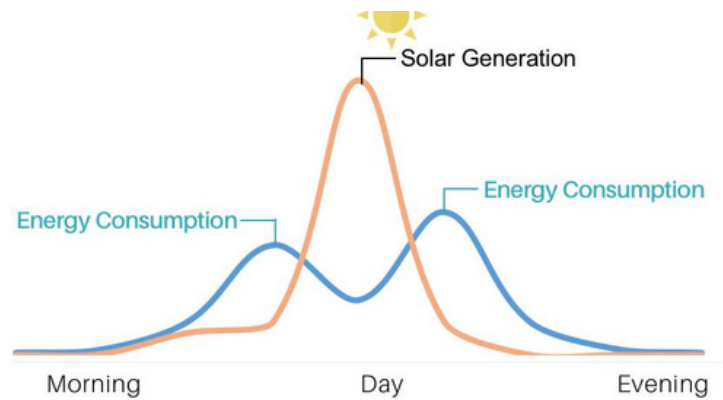
Compatibility

CompatiblewithTier 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

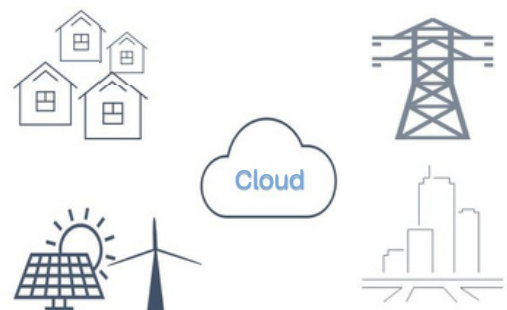
House: Load Shifting Store the power during low-peak and use the energy at peak-time. Save the money which happens arising from peak rate.

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)

(Force-L1)



Module	2	3	4	5	6	7
Basic Parameters						
Battery System Capacity(kWh)	7.1	10.65	14.21	17.76	21.31	24.86
Voltage Range(Vdc)	44.5~54					
Dimension(W*D*Hmm)	600*380*530	600*380*700	600*380*870	600*380*1040	600*380*1210	600*380*1380
Weight(kg)	84	119	154	189	224	259
Depth of Discharge	95%					
Charge/ Discharge Current(A)	(Recommend)	30	45	60	75	90
	(Max)	75	100	100	100	100
	(Peak @15s)	105	105	105	105	105
Communication Port	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	>6000, 25°C					
Authentication level	VDE2510-50/IEC62619/IEC62477/IEC62040/CE/UN38.3					

SPECIFICATION- (48V)

(Force-L2)



Module	2	3	4
Basic Parameters			
Battery System Capacity(kWh)	7.1	10.65	14.21
Voltage Range(Vdc)	44.5~54		
Dimension(W*D*H mm)	450*300*820	450*300*1120	450*300*1410
Weight(kg)	83	119	14.21
Depth of Discharge	95%		
Charge/ (Recommend)	30	45	60
Discharge (Max)	75	100	100
Current(A) (Peak @15s)	105	105	105
Communication Port	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	>6000, 25°C		
Authentication level	VDE2510-50/IEC62619/IEC62477/IEC62040/CE/UN38.3		

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 (Recommend)	37	18.5
Current(A) (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 / C E/UN38.3

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