



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

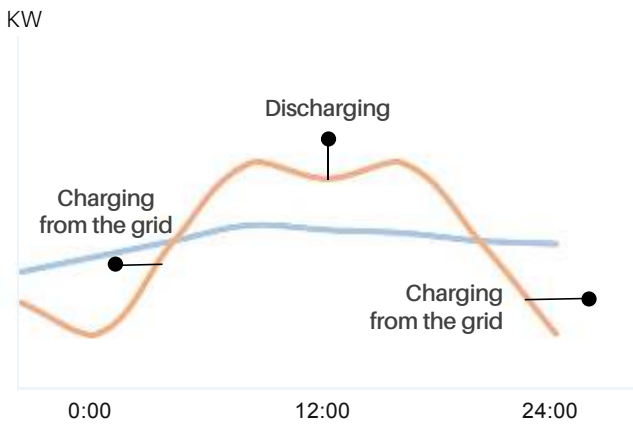
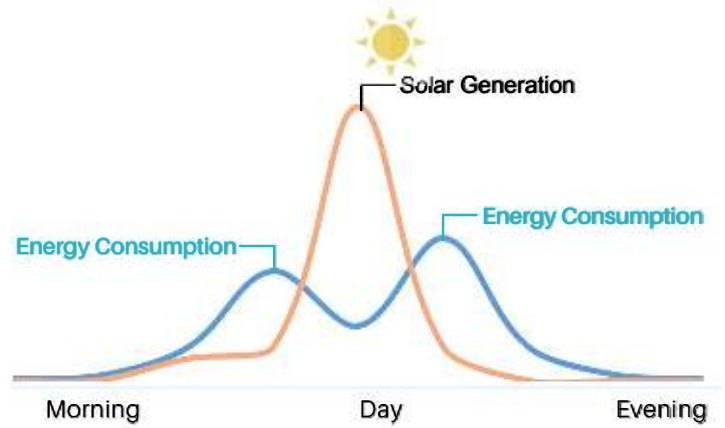
PYLON

How to save bill from Residential ESS?

www.ptp-solar.com
Cyprus: 99 751 537

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-L2)

www.ptp-solar.com
Cyprus: 99 751 537



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/ Discharge Current(A)	(Recommend)	30	45	60
	(Max)	75	100	100
	(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			