

Power Matrix

HV BESS

Unleash the power of the Power Matrix, a high-voltage battery storage system designed for simplicity. With stackable modules operating at up to 102.4V, create a robust system reaching 512V and 25.6 kWh. Easy to install, maintain, and replace, it's energy control made convenient. Experience efficiency, flexibility, and innovation.

- ✓ Modular Design
- ✓ Easy Installation
- ✓ Extreme Safety
- ✓ Data Visualization
- ✓ Versatile Application
- ✓ High Voltage Capability
- ✓ High Performance
- ✓ Cloud Service

Your Green Energy Manufacturer



Product Specifications

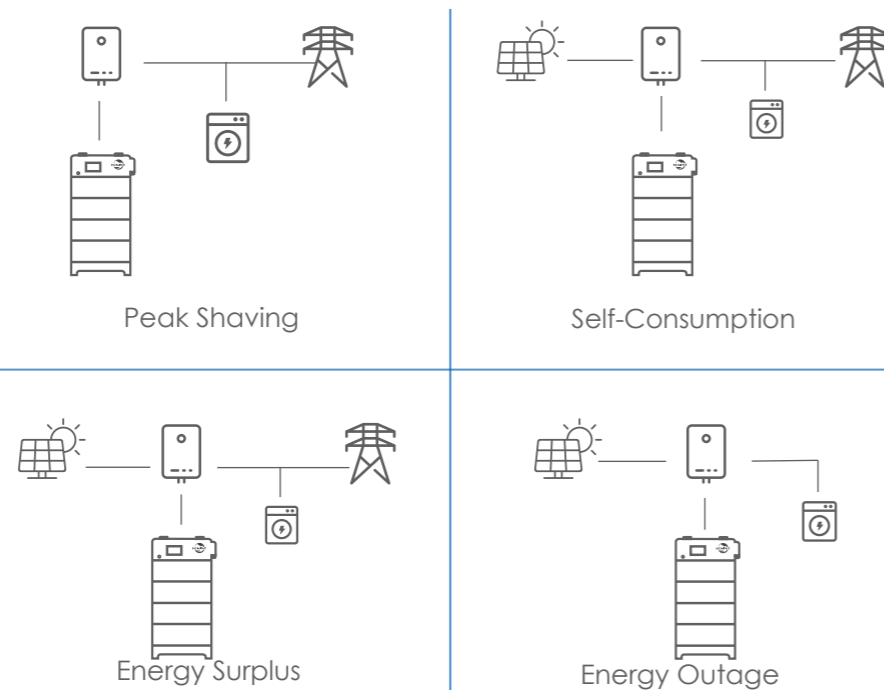
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- Residential Grid-tie Solar with Backup Power
- Self-Consumption
- Off-Grid Power Supply
- Energy Emergency and Outage



System Characteristics	
BESS Compliances	IEC62619 / UN38.3 / MSDS / UKCA/CE/UL1973/CE
Installation Method	Stack Mounting
Installation Scene	Indoor or Outdoor
Ingress Protection	IP55
Warranty	10 Years

System Layout



BESS Specifications					
Battery Module	1P32S				
Cell Capacity	50Ah				
Module Amount	2	3	4	5	
Nominal Energy	10.24 kWh	15.36 kWh	20.48 kWh	25.6 kWh	
Nominal Voltage	204.8 V	307.2 V	409.6 V	512 V	
Nominal Power	9.83 kW	14.57 kW	19.66 kW	24.58 kW	
Operating Voltage Range	172.8-233.6 V	259.2-350.4 V	345.6-467.2 V	432-584 V	
Max. Continuous Current	48 A				
Max. Current	≤ 75A @5 S				

General Parameters					
Dimension (H*W*D)	895*678*268 mm	1147*678*268 mm	1400*678*268 mm	1635*678*268 mm	
Net Weight	152kg	203kg	254kg	305kg	
Operating Temperature	-20°C ~ 50°C				
Operating Humidity	Up to 92 % non-condensing				
Altitude	2000m (6561ft)				
Cycle Life	6000 times				
Communication Method	CAN, RS485, WiFi				