

Modular Inside. Built for Scale.

Smart,Automated Energy
Performance For Business



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About Us



Battery Modularization

Lightweight batteries can be installed by a single person.

Each battery is independently controlled, allowing individual activation and deactivation. In a series system, a single battery failure does not affect the overall system's continued operation.

Safety is significantly enhanced.

Flexible parallel operation solution



Up to 4 units can be paralleled. Supports AC-side and DC-side parallel operation, enabling flexible product configuration for users.

Multiple operating modes ensure power supply



Supports grid-connected and off-grid switching, diesel generator integration, and emergency power supply assurance.

Lightweight Installation



COMPARED WITH TRADITIONAL SOLUTIONS:

The Separation Of The Cabinet And Battery Makes The Cabinet Significantly Lighter.This Reduces On-Site Installation Procedures And Construction Difficulty By Over **50%**.

IGE VPP + Distributed Platform

▲ **9%-12%**
Local Closed-Loop Control for Higher Revenue

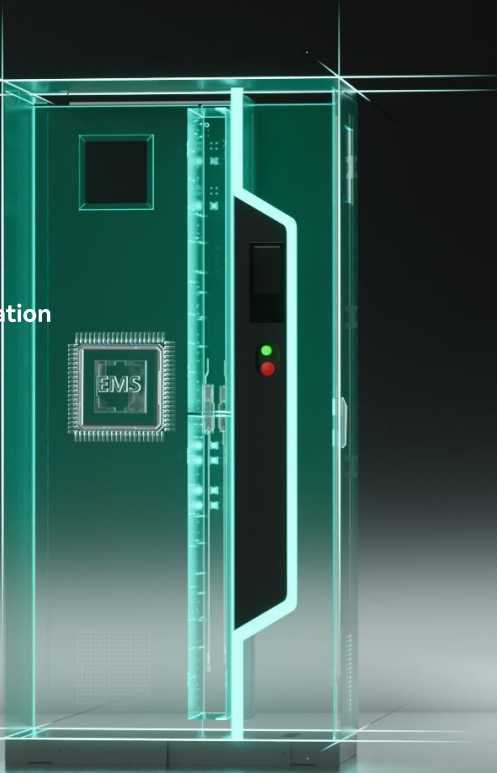
Local closed-loop control achieved through proprietary computing boxes and time-series prediction models boosts monetizable returns by 9%-12%

▲ **50%+**
Exception-Driven O&M Efficiency

The operation and maintenance mode is transformed into anomaly-driven processing, reducing manual workload by 50%+, and anomaly identification can be detected and warned in advance at the hour level.

High-Resolution Forecasting & Autonomous Operation

Second-level data sampling, minute-level prediction and rolling strategy optimization, and autonomous operation when communication is interrupted;



GreenMega

Model	GreenMega -15KW	GreenMega -20KW	GreenMega -25KW	GreenMega -30KW	GreenMega -50KW
Technical Specifications		Standard Parameter			
PV Input Data					
Max. Input Power	22.5kW	30kW	37.5kW	44.85kW	75kW
Max. Input Voltage	1000V	1000V	1000V	1000V	1000V
MPPT Operating Voltage Range	200-950V	200-950V	150-850V	150-850V	150-850V
Max. Input Current	30\30A	30\30A	26\26A	36\36\36A	36\36\36\36A
Max. Short Circuit Current	40\40A	40\40A	39\39A	55\55\55A	55\55\55\55A
Number Of MPPT Trackers	2	2	2	3	4
Number Of Strings Per MPPT	2\2	2\2	2\2	2\2\2	2\2\2\2
AC Output Data (On Grid)					
Normal Output Power	15kW	20kW	25kW	29.9kW	50kW
Max. Apparent Power	16.5kW	22kW	25kW	29.9kW	50kW
Normal Output Voltage	230/400V 0.85Un-1.1Un 3L+N+PE				
Normal Output Frequency	50Hz/45Hz-55Hz				
Normal Output Current	25A	33.5A	36.3A	43.4A	72.5A
Power Factor	0.8 leading to 0.8 lagging				
Total Harmonic Distortion	< 3%				
AC Output Data (Backup)					
Normal Output Power	15kW	20kW	25kW	29.9kW	50kW
Max. Apparent Power	16.5kW	22kW	25kW	29.9kW	50kW
Normal Output Voltage	230/400V 0.85Un-1.1Un 3L+N+PE				
Normal Output Frequency	50Hz/45Hz-55Hz				
Normal Output Current	25A	33.5A	36.3A	43.4A	72.5A
Battery Data					
Matching Battery Model	Mint4870				
Number Of Batteries	24				
Single Battery Capacity	3.53kWh				
Normal System Capacity	84.8kWh				
Nominal Voltage	614.4V				
Opertaing Voltage	480~691.2V				
Continuous Charge Current	34.5A				
Continuous Discharge Current	69A				
Depth Of Discharge	Max. 100 % DOD (settable)				
Short Circuit Current	3000A/10ms				
Communication Interface	CAN				
Over/Under Voltage Protection	YES				
Over Current Protection	YES				
Over/Under Temperature Protection	YES				
DC Breaker	YES				
General Data					
Dimensions (WHD, Mm)	1100*2220*800				
Weight (T)	1.1				
Installation Location	Indoor/outdoor				
Operating Ambient Temperature Range	Charge: -10 °C - 50 °C Discharge: -20 °C - 55 °C				
Degree Of Protection	IP55				
Allowable Relative Humidity Range	0 % - 95 % no condensing				
Max. Operating Altitude	Max. 2000 m				
Cooling Method	Air cooling				
Fire Fighting System	Condensed aerosol fire extingulshing device				
Certificates	UL1973,UN38.3				
Grid Regulation	AS/NZS4777.2				
Warranty	10YEARS				