

# 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%

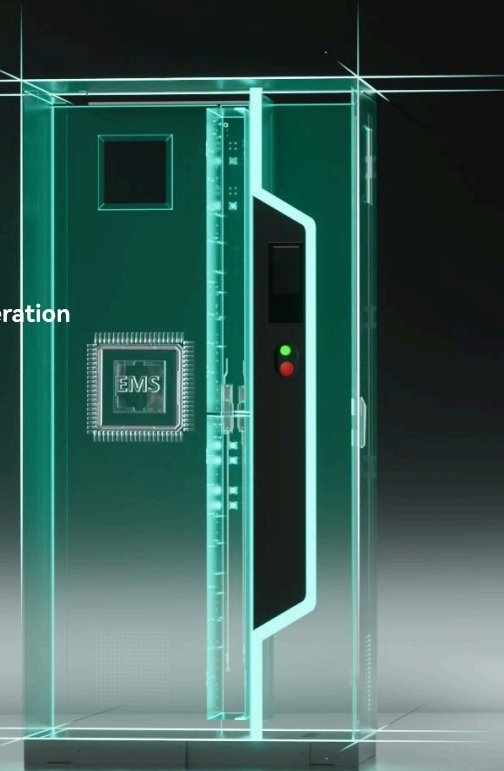
▲ 50%+

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-20kW	GreenMega-25kW	GreenMega-50kW
Technical Specifications		Standard Parameter	
<b>PV Input Data</b>			
Max. Input Power	30kW	37.5kW	75kW
Max. Input Voltage	1000V		
MPPT Operating Voltage Range	200-950V	150-850V	
Max. input Current	30\30A	26\26A	36\36\36\36A
Max. Short Circuit Current	40\40A	39\39A	55\55\55\55A
Number of MPPT Trackers	2	2	4
Number of Strings per MPPT	2\2	2\2	2\2\2\2
<b>AC Output Data(on-grid)</b>			
Nominal Output Power	20kW	25kW	50kW
Max Apparent Power	22kW	25kW	50kW
Nominal Output Voltage	230/400V 0.85Un-1.1Un 3L+N+PE		
Nominal Output Frequency	50Hz/47-52Hz		
Nominal Output Current	33.5A	36.3A	72.5A
Power Factor	0.8 leading to 0.8 lagging		
Total Harmonic Distortion	<3%		
<b>AC Output Data(Back-up)</b>			
Nominal Output Power	20kW	25kW	50kW
Max. Apparent Power	22kW	25kW	50kW
Nominal Output Voltage	230/400V 0.85Un-1.1Un 3L+N+PE		
Nominal Output Frequency	50Hz/45-55Hz		
Nominal Output Current	33.5A	36.3A	72.5A
<b>Battery Data</b>			
Matching Battery Model	MINT4870		
Number of Batteries	24		24+24
Single Battery Capacity	3.53kWh		
Nominal System Capacity	84.8kWh		84.8kWh+84.8kWh
Nominal Voltage	614.4V		
Operating Voltage	Operating Voltage: 480-691.2 V		
Continuous Charge Current	34.5A		
Continuous Discharge Current	69A		
Depth of Discharge	Max. 100 % DOD ( settable )		
Short circuit current	3000 A @ 10 ms		
Communication interface	CAN		
Over/under voltage protection	YES		
Over current protection	YES		
Over/under temperature protection	YES		
DC breaker	YES		
<b>General Data</b>			
Dimensions (WxHxD, mm)	1100*2200*800mm		
Weight	1.1t		
Installation location	Indoor/outdoor		
Operating ambient temperature range	Charge: -10°C to 50°C Discharge: -20°C to 55°C		
Degree of protection	IP54		
Allowable relative humidity range	0 % - 95 % no condensing		
Max. operating altitude	Max. 2000 m		
Cooling method	Fan		
Fire Fighting System	Condensed aerosol fire extinguishing device		
Certificates	UL1973,UN38.3		
Grid Regulation	AS/NZS4777.2		
Warranty	10 YEARS		