

# Semi-Solid. Liquid-Cooled. Intelligent.

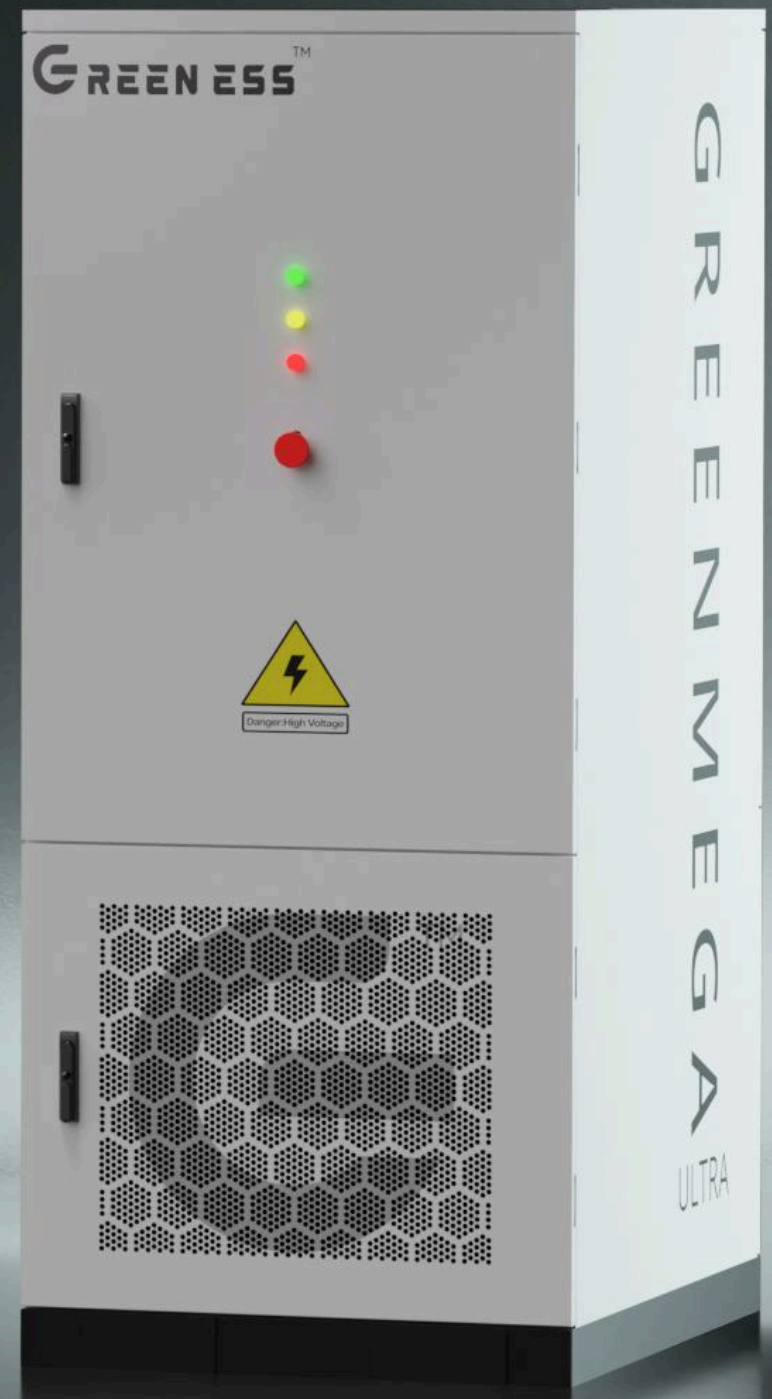
Engineered For Safety,  
Thermal Stability And  
Long-Term Performance



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About Us



## High Battery Safety with Thermal Protection

Our C&I solution uses semi-solid battery cells (with liquid electrolyte reduced by over 70%)

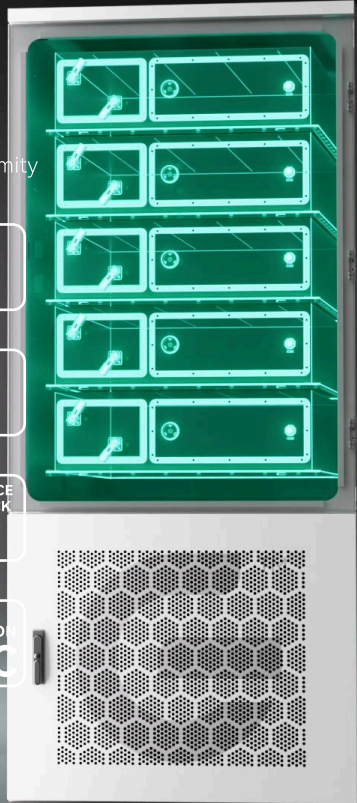
combined with liquid-cooling temperature-uniformity technology

REDUCED POWER CONSUMPTION  
↓ 90%

LOWER ABSOLUTE TEMPERATURE  
↓ 30%

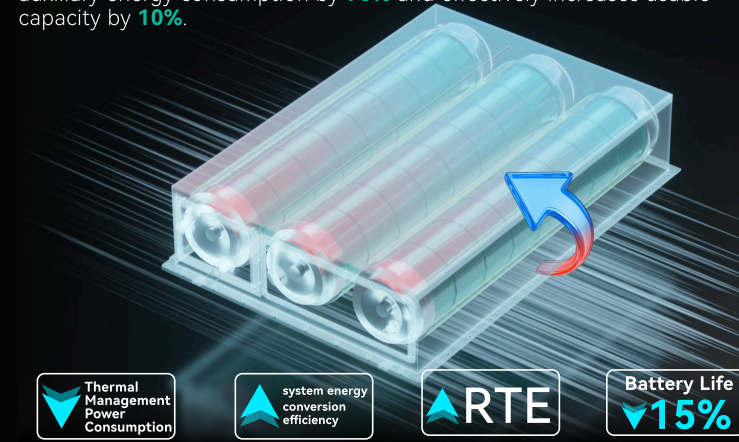
TEMPERATURE DIFFERENCE WITHIN THE BATTERY PACK  
 $T \leq 5^{\circ}\text{C}$

MODULE-TO-MODULE TEMPERATURE DEVIATION  
 $T \approx 2.08^{\circ}\text{C}$

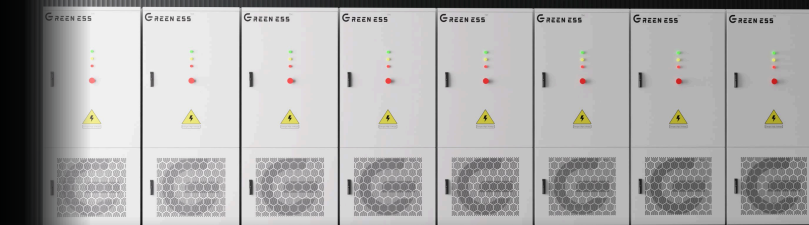


## High Charge/Discharge Performance Efficiency

Instead of air-cooling, our system employs liquid-cooling which reduces auxiliary energy consumption by 90% and effectively increases usable capacity by 10%.



## Flexible parallel Operation solution



Up to 10 units can be paralleled. Supports AC-side and DC-side parallel operation, enabling flexible product configuration for users.

# GreenMega Ultra

Model	GreenMega Ultra
Technical Specifications	Standard Parameter
<b>AC Output Data (On Grid)</b>	
Nominal Output Power	125kW
Max Apparent Power	125kW
Nominal Output Voltage	230/400V 0.85Un-1.1Un 3L+N+PE
Nominal Output Frequency	50Hz/45Hz-55Hz
Nominal Output Current	182A
Power Factor	0.99/-1 ~ 1
Total Harmonic Distortion	<3%
<b>AC Output Data (Backup)</b>	
Nominal Output Power	125kW
Max. Apparent Power	125kW
Nominal Output Voltage	230/400V 0.85Un-1.1Un 3L+N+PE
Nominal Output Frequency	50Hz/47Hz-52Hz
Nominal Output Current	182A
<b>Battery Data</b>	
Cell type&capacity	Hybrid Electrolyte Solid State LFP 314Ah
Cycle Life	≥6000 (25 °C ± 2°C, 0.5C / 0.5 C, 90% DOD, 70% SOH)
System Configuration	1P260S
Nominal Voltage	832V
Operating Voltage	Operating Voltage: 754-938.6 V
Nominal System Capacity	261.25kWh
Continuous Charge Current	174A
Continuous Discharge Current	174A
Depth of Discharge	Max. 100 % DOD ( settable )
Short circuit current	4.83 kA @ 1.04 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)	1350*1000*2385mm
Weight	2.5t
Installation location	Indoor/outdoor
Operating ambient temperature range	Charge: 5°C to 55°C Discharge: -15°C to 55°C
Degree of protection	IP67 (Battery cabinet), IP54 (Electrical cabinet)
Allowable relative humidity range	0 % - 95 % no condensing
Max. operating altitude	≤3000m(>2000m Power Derating)
Cooling method	Liquid Cooling
Fire Fighting System	Rapid type aerosol fire extinguishing device
Anti-Corrosion Grade(optional)	C4/C5(The default is C3)
Max. Number of Parallel Machines	10
Certificates	IEC 62619-2022; IEC 62040-1:2017+A1:2021; EN 62040-1:2019+A11:2021; DIN EN IEC 62040-1/A11:2021-08
Warranty	10 YEARS

## EMS Edge Intelligence Scheduling

▲ 9%-12%

### Local Closed-Loop Control for Higher Revenue

Based on self-developed computing power boxes and time-series prediction models, local closed-loop control is achieved, which can improve monetizable revenue by 9%-12%.

### High-Resolution Forecasting & Autonomous Operation

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

▲ 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.

