

**TIER 1**

**BloombergNEF**



# 125kW/261kWh

## Liquid-cooling ESS Cabinet



### Extreme Reliability

Designed to perform under any grid condition

- 5-Year Maintenance-Free Operation
- $\pm 1.5^{\circ}\text{C}$  Cell Temperature Control
- 0s Fault Recovery with Full-System Autonomy
- 120% Overload Capacity + Dynamic Grid Balancing



### Integrated Excellence

Maximize returns while minimizing space

- 88% System Efficiency (Including Auxiliary Consumption)
- Four-Quadrant Control & Harmonic Mitigation
- High-Voltage Direct Supply with Dual Backup
- Ultra-Compact Footprint (1MWh+ in One Parking Space)



### Ultimate Safety

End-to-end safety from cell to system

- 3-Tier Protection: Detection, Suppression, Defense
- PACK-Level Fire Protection & Multi-Stage Fusing
- Fire-Resistant Cabinet (Up to  $1600^{\circ}\text{C}$ )
- Long-Term Insulation Stability



### Intelligent O&M

Built to grow smarter and scale faster

- Parallel Expansion up to 20 Units
- OTA Remote Upgrade & Autonomous Control
- Self-Healing System Reducing Manual Intervention
- Full Lifecycle Traceability

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<b>DC Parameters</b>	
Battery Capacity	261kWh
Cell Capacity	314Ah (LFP)
Battery PACK	1P260S
Rated Voltage	832VDC
DC Voltage Range	728Vdc ~ 936Vdc
Charge/Discharge Rate	0.5P
<b>AC Parameters</b>	
Rated Power	125kW
Rated Voltage	380V/400V, -15%~10%
Connection Method	3P4W+PE
Rated Frequency	50Hz
Power Factor	-1 (Leading) ~+1 (Lagging)
Thdi	≤3% (at rated power)
<b>Protection Functions</b>	
AC Side	Molded Case Circuit Breaker
DC Side	Isolator Switch+Fuse Isolator Switch + Fuse
Fire Protection	Novec 1230 + Water Fire Suppression System
<b>Environment Conditions</b>	
Operating Temperature	-30~50°C (Derating above 45°C)
Altitude	≤2000m
Relative Humidity	0~95% (Non-condensing)
<b>Physical Characteristics</b>	
Weight	~2.8T
Dimensions (W*H*D)	~989mm*2471.5mm*1465mm
Corrosion Resistance Level	C3 (Customizable)
Protection Rating	IP54
<b>Others</b>	
Cooling Method	Liquid Cooling
Communication Interface	CAN/Ethernet/485