

TIER1

BloombergNEF



ESS Cabinet

125kW/261kWh



Cost-Effective :

Cost-Effective Excellence deliver high-performance solutions.



Flexible expansion:

Maximum of 32-unit for on-grid parallel operation.
6-unit for off-grid parallel operation.



Multi-Scenario Applications:

Optional STS installed in combiner box enables automatic on/off-grid switching.



Ultimate Safety:

Five-in-one detector with millisecond-level response.
PACK-level fire suppression with multi-level fusing; UL 9540A certified.



Reliable Backup Power:

Reliable backup power through battery reserve management.



Compact Design:

Footprint of only 1.45 m².
Easy transportation and installation.

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DC Parameters

Rated Energy	261kWh
Cell Capacity	314Ah (LFP)
PACK	1P260S
Rated Voltage	832VDC
DC Voltage Range	728Vdc ~ 936Vdc

AC Parameters

Rated Power	125kW
Rated Voltage	380V/400V, -15%~10%
Connection Type	3P4W+PE
Rated Frequency	50Hz
Power Factor	-1 (Leading) ~+1 (Lagging)
Thdi	≤3% (at rated power)

Protection Functions

AC Side	Molded Case Circuit Breaker
DC Side	Isolator Switch+Fuse Isolator Switch + Fuse
Fire Protection	Aerosol + Water Fire Suppression System

Environment Conditions

Operating Temperature	-30~50°C (Derating above 45°C)
Altitude	≤2000m
Humidity	0~95% (Non-condensing)

Physical Characteristics

Weight	~2.8T
Dimensions (W*H*D)	~989mm*2471.5mm*1465mm
IP Rating	C4 (Customizable)
Protection Rating	IP54

Other

Cooling Method	Liquid Cooling
Communication Interface	CAN/Ethernet/485
Certification	UL9540A, IEC 62619, IEC 63056, CE-EN62477, EN 61000-6-2/-4, IEC60730, UN38.3 certified, UL9540A, CEI016