

TIER1

BloombergNEF



Hybrid Inverter ESS Cabinet

75-125kW/261kWh



High Efficiency:

Overall system efficiency is 2-3% higher than AC-coupled solutions.



Flexible expansion:

Capable of 10-unit for on-grid.



Multi-Scenario Applications:

Supports PV integration and grid connection, with seamless switching between off-grid mode and diesel generators. Up to 250 kWp PV input per unit.



≤10ms Switching:

On & off-grid switching ≤10ms, unstop power.



Intelligent Interaction:

Solis APP provides smooth AI operation



Fast Technical Response:

Backed by Solis' established global service network.

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Cabinet Parameters

Rated Energy	261 kWh
Cell Capacity	314 Ah
Pack	1P260S
Rated Voltage	832 V
Charge/Discharge Rate	Maximum 0.5 CP
Input DC(PV side)	
Recommended Max. PV Array Size	240 kW
MPPT Voltage Range	150 - 950 V
Max. Input Current	10 × 42 A
Max. Short Circuit Current	10 × 60 A
MPPT Number	10/20
Output AC (Grid side)	
Rated Output Power	125 kW
Rated Grid Voltage & Frequency	3/N/PE, 220 V / 380 V, 230 V / 400 V ; 50 Hz / 60 Hz
Power Factor	> 0.99 (0.8 leading - 0.8 lagging)
THDi	< 3%
Output AC (Off grid side)	
Rated Output Power	125 kW
Max. Apparent Output Power	1.2 times of rated power, 100 s; 1.4 times of rated power, 10 s; 1.6 times of rated power, 200 ms
Rated Output Voltage & Frequency	3/N/PE, 220 V / 380 V, 230 V / 400 V ; 50 Hz / 60 Hz

Protection Functions

AC Side	Molded Case Circuit Breaker
DC Side	Isolator Switch+Fuse Isolator Switch + Fuse
Fire Protection	Novac 1230 + Water Fire Suppression System
Configuration of Safety	Gas fire suppression + Water-based fire suppression + Ventilation + Explosion-proof plates

Environment Conditions

Operating Temperature	-30~50°C (Derating above 45°C)
Altitude	≤3000 m
Humidity	0~95% (Non-condensing)

Physical Characteristics

Weight	<2.9 T
Dimensions (W*H*D)	1560 mm* 2149.5 mm *1465 mm
IP Rating	IP67 for battery, IP54 for cabinet, IP66 for inverter
Ingress Protection	C4 (C5 Optional)

Others

Communication Interface	CAN/Ethernet/485
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