

RochexEnergy

TIER 1

BloombergNEF



75-125kW/261kWh

Hybrid Inverter ESS Cabinet



Higher Efficiency

Up to 2-3% higher efficiency than AC-coupled systems by reducing unnecessary energy conversion. This allows more solar energy to be directly utilized or stored, improving overall system performance and project ROI.



True Hybrid Flexibility

Seamless integration of PV, grid, and diesel generator, supporting on-grid, off-grid, and hybrid operation modes. Ensures stable power supply across a wide range of application scenarios



Reliable Backup Power

≤10ms ultra-fast switching between on-grid and off-grid modes ensures uninterrupted power supply. Ideal for protecting critical loads in commercial and industrial applications.



Scalable & PV-Ready

Supports up to 10 units in parallel and up to 250kWp PV input per unit. The modular design enables flexible system expansion and simplifies project deployment.

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75-125kW/261kWh Hybrid Inverter ESS cabinet

| 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 | Novec 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 |