

261kWh Liquid cooled Hybrid DC Cabinet

HD-261-2

(Hybrid Inverter Optional)



Comprehensive Safety

- **Multi-layer Protection** Fire + 160% overload resistance
- **Wide Temp Range** -30°C ~ 60°C stable operation



High Efficiency

- **Low Carbon** 130t annual emission cut
- **High Density** +30% capacity per space



Simple O&M

- **AI Scheduling** Millisecond backup switch
- **Cloud Management** Remote parameter tuning



Easy Deployment

- **Plug & Play** Pre-installed, powered on arrival
- **Time Saving** Drastically reduces installation time
- **Scalable Design** Modular expansion as needed



Peak Shaving



Arbitrage

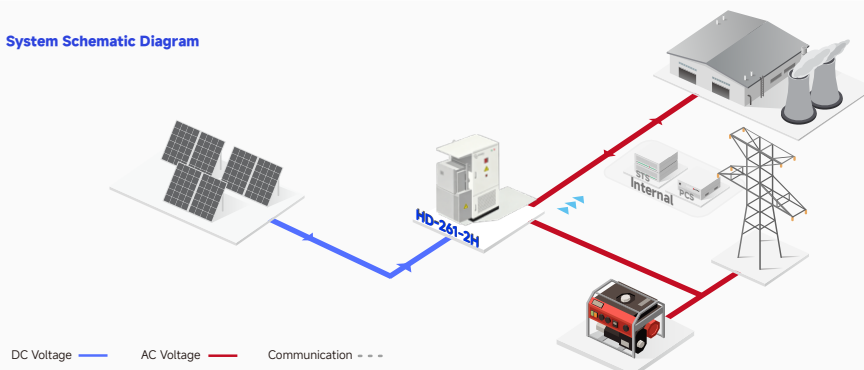


Backup Power



Grid Services

System Schematic Diagram



Model	HD-261-2
Battery Side	
Cell Type	LFP/314Ah
Rated Capacity	314Ah
Configuration	1P260S (System Configuration: 261kWh / 1P260S)
Rated Energy	261kWh
Operating Voltage Range	650~949V
Rated Current	157A
Max. Charge/Discharge Current	200A
Charge/Discharge Rate	0.5C
Balancing Mode	Passive Balancing
PV Side	
Max. PV Input Power	240kW
Max. Input Voltage	1000V
Rated Input Voltage	600V
Startup Voltage	180V
MPPT Voltage Range	150~950V
Max. Input Current	10×42A
Max. Short-circuit Input Current	10×60A
MPPT Quantity / Max. String Quantity	10
Grid-tied AC Side	
Rated Power	125kW
Max. Apparent Power	125kVA
Rated Current	189.9A / 180.4A
Max. Current	250A
Rated Voltage	3/N/PE, 220V/380V; 3/N/PE, 230V/400V
Grid Frequency	50/60Hz
Total Current THDi	<3%
Power Factor	>0.99
Off-grid AC Side	
Rated Power	125kW
Max. Apparent Power	1.2×rated for 100s; 1.4×rated for 10s; 1.6×rated for 200ms
Grid-tie/Off-grid Switching Time	<20ms
Rated Output Voltage	3/N/PE, 220V/380V; 3/N/PE, 230V/400V
Rated Frequency	50/60Hz
Total Voltage THDu	<2%
System Side	
Fire Protection System	Compartment-level aerosol + Pack-level aerosol + water-based fire suppression
Dimension(W×D×H)/Weight	1100×1325×2350mm / 2600kg
Cable Entry	Bottom entry
Ingress Protection	IP54
Cabinet Anti-corrosion Grade	C4
Cooling Method	Liquid Cooling
External Communication Interface	RS485+LAN+CAN
Communication Protocol	Modbus-RTU/TCP, CAN