

261kWh Liquid cooled Hybrid DC Cabinet

HD-261-E

(Hybrid Inverter Optional)



Safe & Reliable

- **IP55 Protection** optimized ventilation design
- **3°C Temp Difference** precise uniform thermal control



Higher Space Utilization

- **1.4m² Footprint** larger capacity per cabinet
- **Cost Saving** reduces land use and site investment



High PV Utilization Capability

- **250kW PV Input** wide MPPT voltage range
- **Flexible Design** adaptable to various PV/ schemes



Expandable & Versatile

- **Modular Parallel** easy capacity expansion on demand
- **Multi-Brand Compatible** works with diverse hybrid inverters
- **Simplified System** fewer parallel units for C&I scenarios



Advanced Microgrid



Diesel Replacement

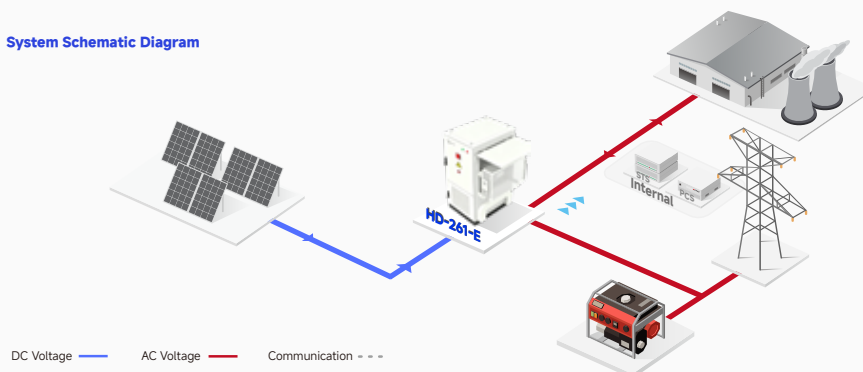


Seamless On/Off-Grid



Direct DC-Coupling

System Schematic Diagram



Model			HD-261-E		
Battery Cabinet					
Cell Type			LFP/314 Ah		
Pack Configuration			52.25 kWh/1P52S		
System Configuration			261kWh/1P260S		
Rated DC Voltage			832V		
DC Voltage Range			728 - 936V		
Max. Charge/Discharge Rate			0.5P		
Max. Depth Of Discharge			100% (25+2°C)>		
Cycle Life			8,000 cycles		
PV Input(Hybrid Inverter)					
Max. Input Power		150kW	160kW	200kW	200kW 250kW
PV Voltage Range			150~950V		
MPPT			10		
Max. Input Current			42A*10		
AC Side(Hybrid Inverter)					
Rated Output Power		75kW	80kW	99.9kW	100kW 125kW
Rated AC Voltage			400V		
AC Voltage Range			±15%		
Grid Type			50Hz/60Hz		
Rated Frequency			0.99/-0.8 ~ +0.8		
Power Factor			0.5P		
THDi			≤3%		
DC Ratio			<0.5% pn		
General					
Max. Round Trip Efficiency			90%		
Communication			Modbus TCP/IP		
Fire Suppression System			Aerosol		
IP Rating			IP55		
Cooling			Liquid cooling+Forced air cooling		
Operating Temperature			-25°C-55°C (Derating after 45°C)		
Anticorrosion Rating			C4 (C5 optional)		
Humidity			0-95% RH (non-condensing)		
Altitude			3000m (Derating above 2000m)		
Dimensions (W×D×H)			1050×1350×2400 mm		
Weight			2,600 kg		
Safety/EMC		UN38.3, IEC62619,IEC63056, IEC62477-1, IEC61000-6-2/4			
Grid Code		EN50549-1/-10, EN50549-2/-10, G99, VDE4105, NRS097, C10/11			