

418kWh Energy Storage DC Cabinet

HD-418-2H



Safe & Reliable

- **Triple-Layer Fire Protection** Comprehensive fire detection and suppression
- **IP54 & C4 Rated** Built for harsh outdoor environments



High-Capacity Performance

- **418kWh Energy Storage** More energy in a compact footprint
- **314Ah LFP Cells** Long cycle life with enhanced safety



Superior Thermal Control

- **≤3°C Temperature Difference** Maximized battery consistency and lifespan
- **Liquid Cooling Technology** Higher efficiency with lower energy consumption



Smart & Flexible

- **Advanced EMS** Peak shaving, load shifting and demand management
- **Open Communication** Compatible with mainstream PCS and monitoring platforms



Advanced Microgrid



Diesel Replacement



Seamless On/Off-Grid



Direct DC-Coupling

Model	HD-418-2H
Battery Parameters	
Cell Type	LFP
Nominal Capacity	314Ah
Nominal DC Voltage	3.2V
DC Voltage Range	2.5V~3.65V (normal), 2.0V~3.65V (limit)
Charge/Discharge Rate(C-Rate)	≤0.5CP
Maximum Charge	0.5P continuous charging for single cell
Operating Temperature	Charging: 0°C~60°C; Discharging: -30°C~60°C
Cell Specific Parameters	
Cell Model	LFP71173207
Cell Dimensions(W×D×H)	174×71×207mm
Cell Weight	5.6±0.2kg
Factory Internal Resistance (1kHz)	0.2±0.05mΩ
Rated Single Cell Energy	1004.8Wh
Cell Output Voltage Range	3.27~3.30V
Cell Energy Density	≥175Wh/kg
Monthly Self-Discharge Rate	≤3.0%

