

Liquid-Cooled 522 kWh DC Cabinet (No PCS)

H522-250L |



What is the Liquid-Cooled 522 kWh DC Cabinet? The H522-250L is a DC-coupled battery cabinet built from LiFePO4 cells (3.2 V / 314 Ah, 260S2P) rated at 522 kWh with a DC 832 V bus (650 – 949 V) and 200 A × 2 charge/discharge at 0.5P. Without an integrated PCS it pairs with the MEGA converter cabinet or MPS hybrid inverter cabinet — 2 to 12 units scale from 1,044 kWh up to 6,264 kWh. The 1780 × 1840 × 2300 mm cabin weighs about 4,850 kg and operates from –15 °C to 45 °C at up to 4,000 m.

522 kWh

Rated Capacity

2–12

Units Parallel

8,000

Cycle Life

IP54

Protection Class

KEY FEATURES

- ✓ PCS Integrated
 - ✓ Intelligent Fire Monitoring
Built-in fully automatic fire detection and suppression (Aerosol).
- ✓ Easy Set-up & Maintenance
 - ✓ Simple Deployment
Standard cabin design, minimal commissioning and maintenance.

TECHNICAL SPECIFICATION

Parameter	H522-250L
DC Side	
Cell Type	LiFePO4
Cell Specification	3.2 V / 314 Ah
Battery Configuration	260S2P
Rated Capacity	522 kWh
DC Rated Voltage	DC 832 V
Voltage Range	DC 650 – 949 V
Max Charge/Discharge Current	200 A × 2
Charge/Discharge Rate	0.5P
System	
Dimensions (W×D×H)	1780 × 1840 × 2300 mm
Weight	4850 ± 50 kg
Cycle Life	8,000
Protection Rating	IP54
Cooling Method	Liquid cooling
Fire Suppression	Fully automatic (Aerosol)
Communication	Ethernet / RS485 / CAN
Operating Temperature	–15 °C ~ 45 °C
Operating Altitude	4000 m (derated above 2000 m)

Model H522-250L — DC-coupled liquid-cooled 522 kWh cabinet (no PCS); 2–12 units parallel with MEGA / MPS; full datasheet available on request.
Specifications are subject to change without notice.