HITHIUM

∞Power1022kWh

Liquid-cooled battery storage system



The ∞Power 1022kWh cabinet is based on cutting-edge 1175Ah cells (4-hour), performing safety and reliability excellently while achieving ultimate cost efficiency.

Safety and Reliability

- Cluster-independent structure with fire insulation.
- Pack-built-in aerosol fire protection.
- Compliant with NFPA855-2026 certification.

Space Saving

- Only 3.4m² land occupation for single cabinet.
- 42.3% space saving for 6-units deployment compared with container.
- Modular design, supporting DC-side parallel expansion.

Ultimate Levelized LCOE

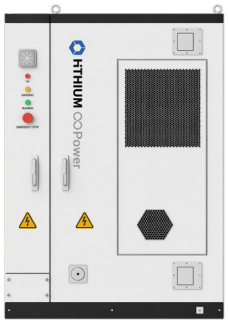
- Equipped with 1175Ah cells, reducing cell quantity by 70%.
- Cycle life over 8000 times at SOH ≥ 70%.
- Simplified wiring and commissioning.

High Usability

- 1000V DC system, adaptable to AC 400V and above power grids.
- Compatible with multiple PCS models, meeting grid-connection requirment by different countries.
- Built-in EMS for 24/7 system operation monitoring.

∞Power
1022 kWh

Liquid-cooled energy storage system based on prismatic LFP cells with very high cyclic life-time



GENERAL	
Battery Type	HiTHIUM LFP 1175Ah
Module Configuration	1P34S
Battery Modules	8
Cooling Method	Liquid cooling
Configuration	Serial connection
Communication Interface	CAN/RS485/Ethernet
Application Altitude	≤ 4000 m (>2000m derating)

ELECTRICAL	
Nominal Voltage (Cabinet)	870.4 V
Nominal Voltage (Module)	108.8 V
Operating Voltage Cabinet	707.2 V ... 992.8 V [1]
Nominal Energy Cabinet	1022.72 kWh [1, 2, 3]
Nominal Energy Module	127.84 kWh [2, 3]
Nominal SOC at delivery	27% [3]
Nominal Charge/Discharge Rate	0,25 P / 0,25 P

MECHANICAL	
Dimensions (L x W x H)	1750 x 1950 x 2400 mm
Weight Cabinet	≤ 8000 kg [1]
Weight Battery Module	≤800±10 kg
Protection Level	IP 55
Corrosion Rating	C5M

TEMPERATURE RANGE	
Operating	-30 °C ... 55 °C [4] (>40°C reduction)
Storing (Recommended)	-20 °C ... 35 °C [4]

SAFETY MEASURES	
Fire Alarm System	Smoke detector, heat detector
Fire Suppression Measures	Aerosol fire suppression system,Deflagration Vent, Ventilation,Fire Hose Coupling

[1] *8 modules*
[2] *0.25 P / 0.25 P*
[3] *25°C +/- 2,0*
[4] *ambient temperature*