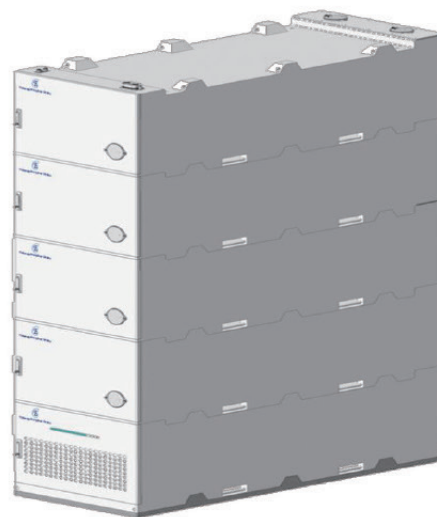


Liquid-cooled Battery Cabinet

EL-836DC

The 836kWh DC cabinet maximizes your storage revenue from cell to grid. It achieves this through unmatched efficiency, ultra-long 1,0000-cycle lifespan (using high-density 628Ah cells), and a modular design that enables rapid deployment, smart O&M, and flexible PCS compatibility.



Features

Cell Capacity & Performance

628Ah high-capacity cells with integrated design for significantly improved energy density and space efficiency.

Cell Safety & Lifespan

1,0000 long cycles supported by multi-dimensional thermal management and multi-layer safety protection, ensuring both durability and reliability.

Cabinet Operation & Maintenance

Modular flexible expansion, smart operation with early-warning monitoring, reducing maintenance costs and effort.

Flexible PCS Compatibility

Offers flexibility by supporting integration with multiple PCS (Power Conversion System) manufacturers, allowing customers to select the optimal component based on their specific requirements and preferences.



DC Side

Battery Type	LFP , 3.2 V / 628 Ah
Battery PACK Configuration	1P52S/104.499kWh
Battery Capacity	836 kWh
Nominal voltage	1331.2V
Voltage range	DC 1164.8V ~ DC 1497.6V
Charge/discharge rate	≤0.5P

General

Dimensions (D*W*H)	2782mm*1210mm*3808mm (Max.)
Weight	Around 8.6t (Subject to actual product)
Ambient temperature	-25° C~55° C
Ambient humidity	0~95%RH(non-condensing)
Altitude	≤ 4000 m(Derating use above 3000m)
Thermal management method	Liquid cooling+ liquid heating
Noise	≤75dB@1m
Ingress Protection	IP55
Anti-corrosion level	C4H
Fire suppression system	Aerosols + forced exhaust system + water-based solution
Design life	20 Years
Standard	UN38.3、UL9540A、IEC62619、IEC61000、IEC62477、RoHS2.0、REACH