

All-in-one Liquid-cooled ESS Cabinet

ECO-E261LP-2A

The all-in-one liquid-cooled ESS cabinet adopts advanced cabinet-level liquid cooling and temperature balancing strategy. The cell temperature difference is less than 3°C, which further improves the consistency of cell temperature and extends the battery life. The modular design makes the parallel solution more flexible and has higher energy density, which significantly improves the economy, safety and construction convenience of ESS projects.



Compact

1.4m² footprint only, easy transportation & fast installation.



High Integration

261kWh energy in one cabinet with remarkable endurance.



Efficient Cooling

Optimal in-PACK duct design, achieve high-efficient cooling and low energy consumption.



Long Cycle Life

Over 8,000 times cycle life, excellent performance of battery system.



Flexible Expansion

Modular design, simplified parallel expansion.



Ultimate Safety

In-PACK fire warning and protection with aerosol, prevent heat diffusion and runaway.

Specifications

DC Side

Cell Type	LFP314Ah
PACK	52.248kWh/1P52S
Battery System	261.24kWh/1P260S
Voltage Range	728~936Vdc
PACK Ingress Rating	IP65

AC Side

Rated Power	125kW
Max. Power	137kW
THDi	≤3%
DC Ratio	<0.5%I _{pn}
Nominal Voltage	400Vac/3P+N+PE
Power Factor	0.98 lagging~0.98 leading
Nominal Frequency	50Hz/60Hz

General

Efficiency	≥90%
Charge/Discharge Rate	0.5P
DoD	95% (25±2°C)
SOC Accuracy	<3%
Cycle Life	≥8,000 cycles
Connectivity	Ethernet /RS485
Ingress Rating	IP55
Cooling	Active liquid cooling
Operating Temperature	-25°C~55°C
Humidity	5~95%RH(non-condensing)
Noise	≤75dB
Altitude	≤2,000m (derating above 2,000m)
Fire Safety	Aerosol
Dimensions (W*D*H)	1,050*1,350*2,400 (mm)
Weight	2,600kg
Compliance	UN38.3, IEC62477-1, IEC61000, IEC62619, IEC63056, UL9540A, EN50549