

All-in-one Liquid-cooled ESS Cabinet

ECO-E261LP-2A

The ECO-E261LP-2A features advanced pack-level liquid cooling and temperature balancing, maintaining cell temperature differences within 3 °C. This enhances cell temperature consistency and extends battery life. Its modular design enables flexible parallel configurations and higher energy density, significantly improving the cost-effectiveness, safety, and installation 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

LFP / 314 Ah

Pack Configuration

52.2 kWh / 1P52S

System Configuration

261 kWh / 1P260S

Rated DC Voltage

832 V

DC Voltage Range

728 ~ 936 V

Max. Charge/Discharge Rate

0.5 P

Max. Depth of Discharge

100% (25 ± 2°C)

AC Side

Rated Output Power

125 kW

Rated AC Voltage

400 V

AC Voltage Range

±15%

Grid Type

3W+N+PE

Rated Frequency

50 Hz / 60 Hz

Power Factor

0.99/-1~+1

THDi

≤3%

DC Ratio

<0.5% I_{pn}

General

Max. Round Trip Efficiency

89%

Cycle Life

≥ 8,000 cycles

Communication

Modbus TCP/IP

Fire Suppression System

Aerosol

Ingress Rating

IP55

Cooling

Liquid cooling+Forced air cooling

Operating Temperature

-25°C~55°C (Derating after 45°C)

Anticorrosion Rating

C4 (C5 optional)

Humidity

0~95% RH (non-condensing)

Noise

≤ 75 dB

Altitude

3000m (Derating above 2000m)

Dimensions (W*D*H)

1,050*1,350*2,400 mm

Weight

2,600 kg

Safety/EMC

UN38.3, IEC62619, IEC63056, IEC62477-1, IEC61000-6-2/4, UL9540A

Grid code

EN50549-1/-10, EN50549-2/-10, G99, VDE4105,
NRS097, C10/11, CEI0-21, CEI0-16

