# All-in-one Liquid-cooled ESS Cabinet

## ECO-E261LP-2A




## Brief

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.

## Features

**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.

**Flexible Expansion**
Modular design, simplified parallel expansion.

**Long Cycle Life**
Over 8,000 times cycle life, excellent performance of battery system.

**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% Ipn |
| **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 |