

# All-in-one Liquid-cooled ESS Cabinet

## BESS-P261

### Brief

The BESS-P261 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**  
1.4m<sup>2</sup> footprint only, easy transportation & fanstallation.

**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
Max. Apparent Power	137kVA
Rated AC Voltage	230 / 400 V
AC Voltage Range	±15%
Grid Type	3W+PE / 3W+N+PE
Rated Frequency	50 Hz / 60 Hz
Power Factor	0.99/ -1 ~ +1
THDi	≤3%
DC Ratio	<0.5% Ipn
General	
Round Trip Efficiency	≥ 89%
Cycle Life	≥ 8,000 cycles
Communication	Modbus TCP/RTU
Fire Suppression System	Aerosol
Ingress Rating	IP55
Cooling	Active liquid cooling
Operating Temperature	-25 °C ~ 55 °C (Derating after 45 °C)
Anticorrosion Rating	C4 (C5 optional)
Humidity	5~95% RH (non-condensing)
Noise	≤ 75 dB
Altitude	4000m (Derating above 2000m)
Dimensions (W*D*H)	1,050*1,350*2,400 mm
Weight	2,600 kg
Compliance	UN38.3, IEC62477-1, IEC61000, IEC62619, IEC63056, UL9540A, EN50549

