

BESS-P418

# All-in-one Liquid-cooled ESS Cabinet

100-210KW 418KWH

- **Safety and Intelligent**

Long life LiFePO4 cells, high energy density, build in BMS and passive protection

- **Easy to Install and Use**

Modular design, simple operation

- **Long Life Span**

10 years design life, more than 8000cycles

- **Adaptable to Harsh Environment**

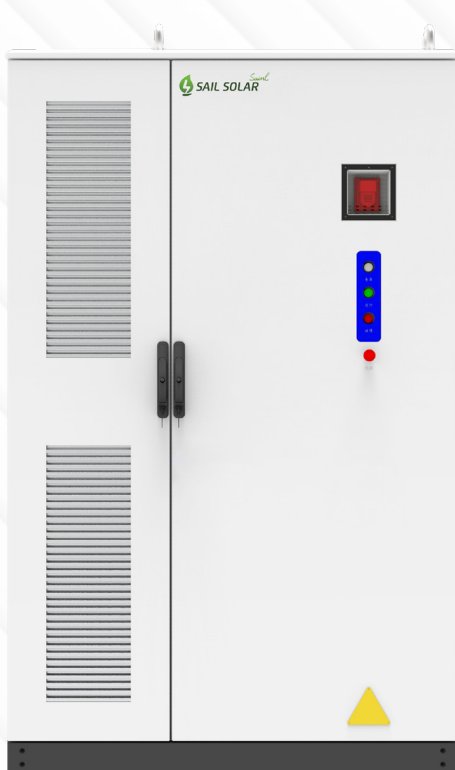
Adapt to wide range of temperature and humidity

- **Support Bluetooth/WIFI function (optional)**

Can be controlled remotely to reduce operation and maintenance costs

- **Multi-scenario application**

Household use, small industrial and commercial applications



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## Technical Parameters

100-210KW 418KWH  
All-in-one Liquid-cooled  
ESS Cabinet

### DC SIDE

Cell Type	LFP/314 Ah
Pack Configuration	52.248 kWh/1P52S
System Configuration	418kWh/1P416S
Rated DC Voltage	1331.2V
DC Voltage Range	1164.8 ~1497.6V
Max. Charge/Discharge Rate	0.25P/0.5P/0.5P
Max. Depth of Discharge	100% (25±2 °C)

### AC SIDE

Rated Output Power	100kW/210kW/210kW
Rated AC Voltage	400V/690V/800V
AC Voltage Range	-15%~+10%
Grid Type	3W+PE
Rated Frequency	50 Hz / 60 Hz
Power Factor	0.99/ -1 ~ +1
THDi	≤3%

### GENERAL

Noise	≤ 80 dB
DC Ratio	<0.5% pn
Cycle Life	≥ 8,000 cycles
Communication	Modbus TCP/IP
Fire Suppression System	Aerosol
Ingress Rating	IP55
Cooling	Liquid cooling+Forced air cooling
Weight	3800kg
Dimensions (W"D"H)	1,500*1,350*2,400 mm

## Notes

\*File version: 2026V1-EN

\*Weight and Size of the battery module is based on the actual product, with a tolerance of \* 3% allow

\*Specifications may vary during continuous improvements, pls contactus for latest details.

\*The installation of battery packs is related to product quality assurance, safe and stable operation. Please follow the requirements of the user manual for standardized installation, use, and routine maintenance