

High Voltage C&I Cabinet ESS

209kWh

Solution for Fast Install

Fully integrated, pre-configured package system reduces on-site installation time; includes inverter(s), battery trays, racks, BMS, Microgrid Controller, HVAC, fire suppression, islanding switch, and outdoor rated enclosure.

Easy & Flexible to Scale

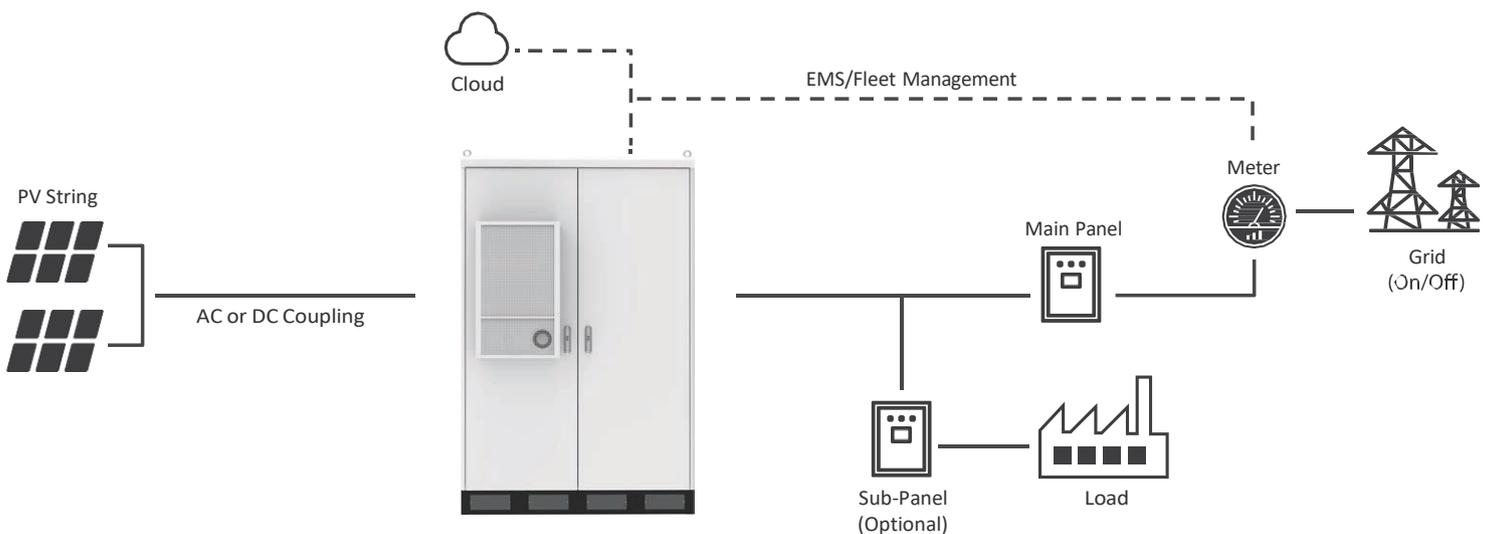
The modular design allows for easy capacity expansion, The rack-mounted design allows for installation in various settings, A single system can be expanded up to 209kWh.

Safe Technology & Multi-level Protection

Tier 1 LiFePO4 Phosphate chemistry for the highest level of safety, thermal stability, and reliability; An integrated, multi-level Battery Management System(BMS) monitors, optimizes, and balances the system.

Powerful Performance

Supports a rated DC power of 180kW, It can handle charge/discharge currents of 50A(recommended), 100A(nominal), and up to 125A peak discharge for 2 minutes at 25°C.



Model

EH-209

System Specification

Nominal Output Power/UPS Power (W)	50000
AC Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac
Grid Type	Three phase
Energy Configuration (kWh)	209.04
Dimension (W x D x H,mm)	1400x1100x2150 (no contain inverter)
Weight Appr. (kg)	1864.00 (no contain inverter)
AC Output Rated Current (A)	75.8
Battery Operating Voltage (V)	500 ~ 800
Battery Chemistry	LiFePO4
IP Rating of Enclosure	IP55
Cooling Method	Air-cooling
Installation Style	Floor-Mounted
Warranty	10 years
System Certification	UN38.3, IEC62619, CE, CEI 0-21, VDE-AR-N 4105, IEC 62109

Battery Technical Specification

Battery Module Nominal Voltage (V)	665.6
Battery Capacity (Ah)	314
Battery Energy (kWh)	209.04
BMS Communication	CAN
BMS parallel support connection	3sets
Max Charge & Discharge Current (A)	100
Operating Temperature Range	Charge: 0 ~ 55°C / Discharge: -20°C ~ 55°C
Cycle Life	≥ 10000(@25°C±2°C,0.5C/0.5C,70%EOL)
Short Circuit Protection	YES
Over Current Protection	YES
Over Charge Protection	YES
Over Temperature Protection	YES
Cell Over Voltage Protection	YES
Cell Over Under Protection	YES
Cell Discharge Protection	YES