

Commercial & Industrial ESS

Features & Advantages

- Compact Size**

- Cabinet covers no more than 1.3 m²
- Energy density improved by 35%

- Modular Design & Scalable**

- Support cabinet-level parallel connection and cluster control
- Support flexible capacity expansion
- Easy installation & connection

- Safe & Cost-effective**

- AI diagnosis system enables pre-alarm and faults location
- Integrated battery modules with fire protection and isolation
- System efficiency higher than 91%

- Minimal Maintenance**

- Multi-scenario intelligent battery management system
- Cloud EMS, Millisecond-level precise control
- Fast state monitoring and unattended design



Technical Specifications

Model	PowerHub-215A/H	PowerHub-256L/H
Battery PACK		
Cell type	LFP280Ah	LFP280Ah
Nominal capacity	215.0kWh	256kWh
Thermal management	Air cooling (industrial AC)	Liquid cooling
AC side		
AC rated power	100kW	125kW
Max. AC power	110kW	137.5kW
AC rated voltage	400Vac	400Vac
Way of connection	Three-phase & three-wire	Three-phase & three-wire
Voltage range	340~440V	340~440V
Adjustable range of power factor	-1~1	-1~1
Rated grid frequency	50/60Hz	50/60Hz
Range of rated grid frequency	45~55Hz/55~65Hz	45~55Hz/55~65Hz
Max. THDI	<3% (at rated power)	<3% (at rated power)
DC component	<0.5%	<0.5%
Thermal management	Forced air cooling	Liquid cooling
Way of isolation	None	None
Communication		
Communication interface	RS485/Ethernet	RS485/Ethernet
Communication protocol	MODBUS-RTU/MODBUS-TCP/IEC61850	MODBUS-RTU/MODBUS-TCP/IEC61850
Battery energy system		
System efficiency	≥90%	≥91%
Charge/discharge ratio	0.5C	0.5C
DOD	95%	95%
Number of cycles	6600	6600
Ingress protection level	IP54	IP54
Environment temperature	-30~50°C	-30~50°C
Environment humidity	0~95%RH no condensing	0~95%RH no condensing
Max. altitude	2000m	2000m
Dimension (width*depth*height)	1250*1200*2450mm	1030*1300*2400mm
Weight	2600kg	2800kg
Fire control system	Combustible gas, smoke and temperature detectors + total gas flooding extinguishing system (Perfluorohexanone) + water firefighting system (reserved)	