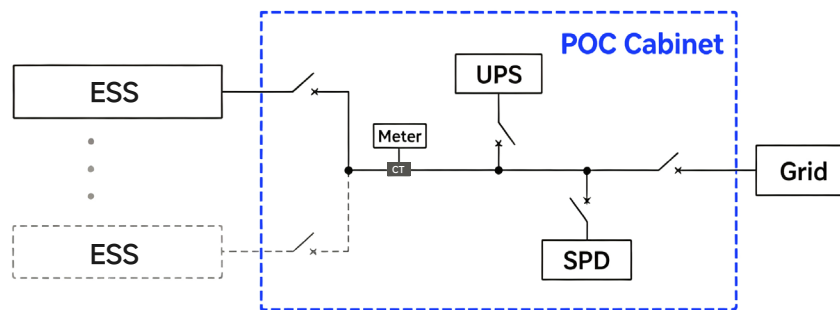
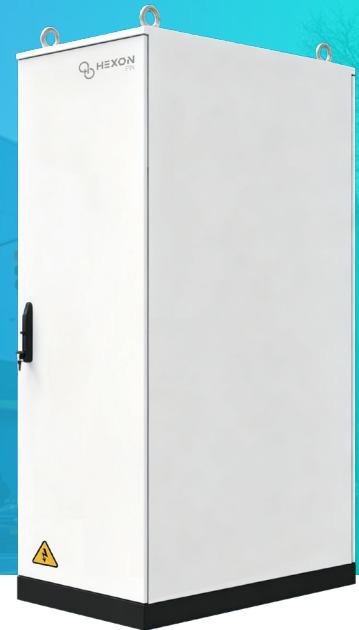


POC Cabinet

HEX-POC-3



HEX-POC-3

The energy storage low-voltage grid-connected cabinet acts as the bridge between the integrated energy storage cabinet and the low-voltage power grid. It integrates AC convergence, bidirectional metering, grid connection on/off control, stable continuous power supply for auxiliary equipment, 4G data upload and other functions. Its core internal components including molded case circuit breakers, air circuit breakers and UPS power supplies are sourced from well-known industry brands. With an IP55 protection rating, it delivers excellent dustproof and waterproof performance, enabling outdoor installation.

Customization is available for commercial and industrial energy storage projects of various capacities. A single cabinet supports up to 6 channels of AC signal input, and its dimensions can be tailored to specific requirements. It allows seamless cabinet combination with integrated energy storage cabinets.



Multiple Protection

Integrated overcurrent, overvoltage, short-circuit and anti-reflux protection functions to guarantee power consumption safety.



High Reliability

High ingress protection rating and thermal dynamic stability ensure long-term stable operation of equipment.



Strong Compatibility

Compatible with new energy systems such as photovoltaic and wind power systems.



High Customization

Customizable size, power and internal components as required.

Model	HEX-POC-3
Grid Side	
Rated Voltage	Main Circuit: 400V; Auxiliary Circuit: AC230V
Rated Insulation Voltage	Main Circuit: 690V / 1000V
Power Factor Adjustment Range	0.95 lagging ~ 0.95 leading, automatic compensation
General	
IP Rating	IP55
Cabinet Material	Cold-rolled steel plate with anti-corrosion surface treatment
Cooling Method	Air cooling
Partition Type	Supports Type 1, 2b, 3b, 4 partitions; internal arc withstand $\geq 65\text{kA}/0.3\text{s}$
Basic Protection	Overcurrent, overvoltage, short-circuit and anti-reflux protection, response time $\leq 20\text{ms}$
Earth Fault Protection	Earth leakage & ground fault protection, adjustable trip threshold
Internal Arc Withstand	$\geq 65\text{kA}/0.3\text{s}$, complies with IEC61641-V3
Meter Accuracy	Voltage/Current: Class 0.5; Active/Reactive Power: Class 0.5; Energy: Class 0.5
Monitored Parameters	Real-time 3-phase voltage, current, power factor, harmonic (THD $\leq 5\%$), energy & demand data
Communication	Modbus TCP, 4G wireless communication supported
Operating Temperature	$-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$, 24h average temperature $\leq 35^{\circ}\text{C}$
Humidity	$\leq 95\%$ RH (20°C), non-condensing
Altitude	$\leq 2000\text{m}$ (derating required for higher altitude)
Dimensions (W×D×H)	800×1000×2400mm