



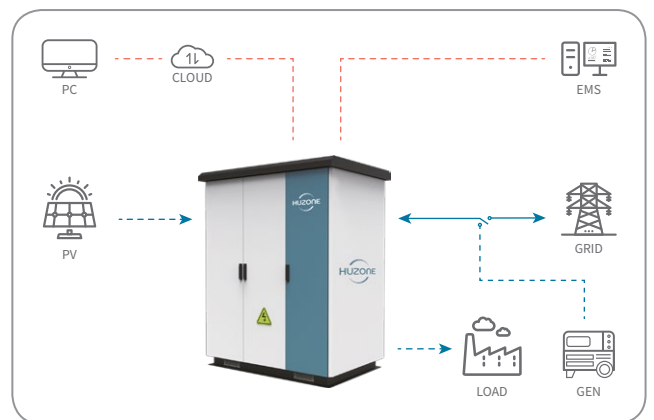
HOS-107H50~400H200

# Outdoor Energy Storage System

107kWh / 200kWh / 400kWh



- ✓ Internally integrated BMS/EMS
- ✓ Modular design, supports multi-machine expansion function
- ✓ Multiple working modes for different applications.
- ✓ Internal integration of multiple protection functions (lightning protection, fire protection, anti-theft, etc.)
- ✓ Switching between on-grid and off-grid
- ✓ Three-phase 100% unbalanced load



Microgrid



PV power station



Wind power station



Industrial and commercial



Grid side



Hybrid charging

Technical Data HOS-107H50 HOS-200H100 HOS-400H200

**Battery (Built-in)**

Battery Type	LFP / LiFePO4 (Lithium Iron Phosphate)		
Charge/Discharge Rate	≤0.5C		
Rated Voltage	716.8 V		
Voltage Range	605~818 V		
Cell Rated Capacity	150 Ah	280 Ah	280 Ah
Rated Energy	107 kWh	200 kWh	400 kWh
Composition	1P224S	1P224S	(1P224S)x2

**AC Output (On-Grid)**

Rated Output Power	50 kW	100 kW	200 kW
Maximum Output Current	79 A	159 A	159x2 A
Rated Grid Voltage	400 V (3PH, N, PE)		
Rated Grid Frequency	50/60 Hz (45~55 / 55~65)		
THDi (Rated Power)	<3%		
DC Component	<0.5% In		
Power Factor (Rated Power)	>0.99		

**AC Output (Off-Grid)**

Rated Output Power	50 kW	100 kW	200 kW
Maximum Output Current	79 A	159 A	159x2 A
Rated Output Voltage	400 V (3PH, N, PE)		
Rated Output Frequency	50/60 Hz		
Unbalanced Load Capacity	100%		

**General Data**

Ingress Protection Rating	IP54		
Temperature Range	-25~60°C		
Relative Humidity	0~95%, Non-condensing		
Altitude	≤5000 m (>3000 m Derating)		
PCS Cooling Method	Smart Fan Cooling		
Battery Cooling Method	Air Conditioning Cooling		
Fire Fighting System	Yes		
Communication	RS485, CAN		
Communication Protocol	Modbus, IEC104		
Display	Touch Screen		
Weight	1200 kg	2200 kg	3500 kg
Dimension (WxDxH)	1350x1050x2100 mm	1550x1050x2100 mm	2566x1050x2100 mm

