



HLS Industrial & Commercial ESS

Rated Power 60/120 kW

Battery Capacity 129/232 kWh



Dynamic scalability

Free choice of battery capacity



Standardized design

Stable voltage
Short circuit protection design



Intelligent operation

7×24 hours remote operation and maintenance
Failure prediction



Easy installation

All-In-One design eliminates installation troubles

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System Specification

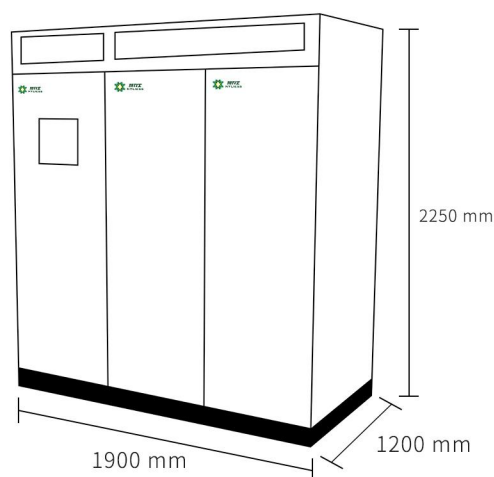
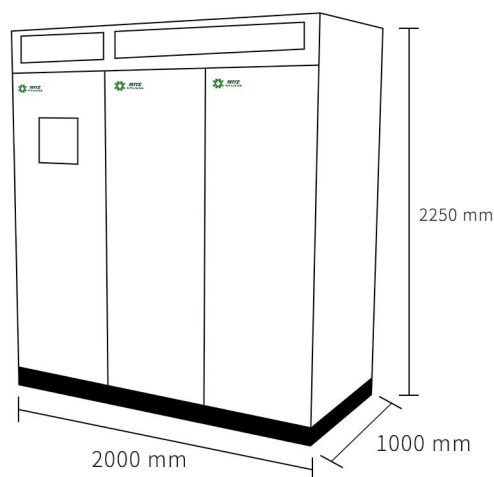
Cell type	3.2V 150Ah/3.2V 280Ah
Battery configuration	1P 270/260S
Rated capacity	129.6/232.9 kWh
Battery voltage	756~972/728~936 V
Rated power	60/120 kVA
Distortion rate	< 3%(work in rated power)
DC component	< 0.5%(work in rated power)
Rated voltage	230/400, 3P+N+PE
Power factor	> 0.99(work in rated power)
Power factor adjustable range	1.0(leading)~1.0(lagging)
Rated grid range/frequency	50Hz/45~55Hz

Mechanical specification

Isolation method	Transformerless isolation
Size(W*D*H)	2000×2250×1000mm 1900×2250×1200mm
BMS communication interface	RJ45,RS485, Ethernet
BMS communication protocol	Modbus RTU, Modbus TCP ,CAN
Protection rating	IP54
Operating temperature range	Charge: 0°C~45°C; Discharge: -20°C~55°C (>45°C derating)
Operating humidity range	15%~90%(non-condensation)
Max. working altitude	3000m(>2000m derating)
Battery temperature control method	Industrial-grade temperature-controlled air conditioner

Converter cooling method	Intelligent forced air cooling
Fire protection system(battery container)	FM200 gas fire protection+combustible gas detection+exhaust
Communication interface	RS485, Ethernet
Communication protocol	Modbus RTU; Modbus TCP; IEC 104; Optional: IEC 61850 CAN

Product Design



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