

Model		ESS-143KWH
Battery Data		
Nominal Energy	143kWh	
Nominal Voltage	512V	
Battery Model	LV-ESS-RH14.336Aa-HBox-n ("n" = 1,2,3...25)	
Battery Chemistry	LithiumIronPhosphate(LiFePO4)	
Cycle Life	≥8000 cycles(@25°C, 0.5P/0.5P)	
Cell Specification	3.2V 280Ah	
Battery Pack Energy	14.336kWh	
String Configuration	1P160S	
Number Of Racks	1	
Operating Voltage	448V - 584V	
Rated charging Power	0.5P	
Rated discharging Power	0.5P	
Safety		
Fire Extinguishing System	Aerosol fire extinguishing	
Inverter Data		
Rated Power	50kW	
	Please Refer To The Inverter Section For More Details	
General		
Dimension(WxDxH)	1623W x 1314 x 2000mm (Including inverter sunshade) 1435W x 1314 x 2000mm (Excluding inverter sunshade)	
Weight	≤ 2113kg	
IP Rating	IP54	
Cooling Method	Smartaircooling	
Operating Temperature	-20°C - +50°C	
Storage Temperature	-30°C - +60°C	
Relative Humidity	15% - 90%(Non condensing)	
Operating Altitude	≤3000m	
Communication Interfaces	LAN/CAN/RS485	
Compliance	IEC/EN 62619, IEC/EN 61000, UN38.3, MSDS	



Dimensions and cabinet views