

Model	ESS-1MWH/500KW	ESS-1.5MWH/500KW
Battery Data		
Nominal Energy	1044kWh	1568kWh
Nominal Voltage	832V	
Battery Model	SC52T05-314	
Battery Chemistry	Lithium Iron Phosphate(LiFePO4)	
Cycle Life	≥8000 cycles@25°C, 0.5P/0.5P	
Cell Specification	3.2V 314Ah	
Battery Pack Energy	52.2kWh	
String Configuration	1P260S	
Number of Racks	4	6
Operating Voltage	728 - 949V	
Rated Charging Power	0.5P	
Rated Discharging Power	0.5P	
Safety		
Fire Extinguishing System	Aerosol, Water sprinkler system	
PCS Data		
Rated Power	500kW	
Please refer to the PCS section for more details		
STS Data		
Rated Power/Maximum Power	600kW/660kW	
AC Voltage	400Vac, 3W+PE	
Switching Time	<10ms	
Transformer Data		
Rated Power	500kVA	
Input Voltage/Output Voltage	400V/400V	
General		
Dimensions(W × D × H)	6058 × 2438 × 2896 mm	
Weight	Approximately 18000kg	Approximately 22000kg
IP Rating	IP54	
Cooling Method	Liquid cooling(Battery)	
Operating Temperature	-25°C - +55°C	
Storage Temperature	-30°C - +60°C	
Relative Humidity	15%-90%(Non-condensing)	
Operating Altitude	≤3000m	
Communication	LAN/CAN/RS485	
Compliance	IEC/EN 62619, IEC/EN 61000, UN3536, UN38.3, MSDS	