

Sunflower Series Liquid-cooled ESS

80kW/ 208kWh

100kW/ 208kWh



Inverter Data

Model	80kW	100kW
Battery Type	Lithium-ion	Lithium-ion
Battery Voltage Range	300 - 950 V	300 - 950 V
Max. charge / discharge current	100 A × 2 / 100 A × 2	100 A × 2 / 100 A × 2
Number of battery ports	2	2
Max. charge / discharge current of each port	100 A	100 A
Communication	CAN / RS485	CAN / RS485

PV String Input Data

Recommended max. PV array size	160 kW	200 kW
Max. usable PV input power	160 kW	200 kW
Max. input voltage	1000 V	
Rated voltage	600 V	
Start-up voltage	180 V	
MPPT voltage range	150 - 950 V	
Max. input current	10 × 42 A	
Max. short circuit current	10 × 60 A	
MPPT number / Max. input strings number	10 / 20	

Other Inverter Datas

Rated grid voltage	3/N/PE, 220 V / 380 V; 3/N/PE, 230 V / 400 V	
Rated input voltage	3/N/PE, 220 V / 380 V; 3/N/PE, 230 V / 400 V	
Output AC (Back-up)	80 kW	100 kW
Cooling concept	Intelligent redundant fan-cooling	
Dimensions (W × H × D) 1174 × 814 × 400 mm	1174 × 814 × 400 mm	
Weight	170 kg	

Battery Data		ESS 208kWh Liquid-cooled
Model		WD-ECF208S
Battery Parameters		
Battery Type		LiFePO ₄
Cell Specifications		3.2V/314Ah
Max Charge & Discharge Rate		0.5C
Configuration		1P208S
Nominal Energy		208.998kWh
Rated Voltage		665.6V
Voltage Range		582.4~759.2V
Cooling-down Method		Liquid cooling
Cycle Life		8000Cycles@70%SOH (25 C±2 C, 0.5P)
System Parameter		
Temperature Range		-30 ~ 50℃
Humidity		≤95%RH(no condensation)
Height		≤2000m
IP Rating		IP54
Fire Extinguisher System		Aerosol fire extinguishing device
CI		Ethernet/RS485
Corrosion Protection Grade		C4
Product Dimensions (W×D×H)		1055×1300×2300mm
Package Dimensions (W×D×H)		1130×1400×2510mm
Weight		< 2.5 T