



Outdoor ESS Cabinet

Hybrid System

50kW+156/208kWh

Product Features

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Liquid cooling for battery packs, safe and efficient
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SiC technology , max. efficiency 98.6%
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Solar & Storage hybrid ESS
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PERFLUORO fire extinguishing system
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Support old & new battery cabinets use together
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Flexible front and bottom wiring
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Independent generator interface, supports intelligent start-stop
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Supports parallel of 2.5MWh systems
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AFCI function (optional)

Model Name	SH-BESS-156		SH-BESS-208
AC Date			
Rated Output Power	50kW		
Max. Output Power	55kVA		
Peak Power & Duration	1.5 times of rated in 10s		
Rated Grid Voltage	3L/N/PE , 220/380V;230/400V		
Grid Frequency	50Hz/60Hz (±5Hz)		
Rated Output Current	72.5A		
THDi & THDu	< 3%		
Grid/GEN Input Current	150A		
Peak Efficiency	98.6%		
European/CEC Efficiency	97.97%		
PV String Input			
Max. Input Power	75000Wp		
MPPT Voltage Range	150-850V		
Start-up Voltage	180V		
Rated DC Input Voltage	600V		
No.of MPPT Trackers/ No.of String Per MPPT	4/2+2+2+2		
Max. Input Current	4*40A		
Short-circuit Current	6*60A		
Battery Data			
Battery Type	LiFePO ₄		
Battery Energy	156.7kWh/1P52S		208.9kWh/1P52S
Battery Voltage Range	436.8Vdc~561.6Vdc		582.4Vdc~748.8Vdc
Rated Voltage	499.2Vdc		665.6Vdc
Pack	314Ah/LFP 3.2V		
Cycle Life	≥6000@0.5P 25°C		
Max. Charging/Discharging Efficiency	98%		
General Data			
Size(W*D*H)	1100mm*1300mm*2450mm		
Weight	1300kg		1600kg
Protection Level	IP55		
Fire Protection	PERFLUORO Fire Protection		
Operating Temperature Range	-25°C ~60°C		
Warranty	5 Years		
Relative Humidity	0-100%		
Cooling	Battery-Liquid cooling/Inverter-Smart Air Cooling		
Max. Operating Altitude	4000m(>3000m Derating)		
Protection	DC Switch; Reverse Polarity Protection; AC Overvoltage/Overcurrent/Short Circuit Protection; Anti-islanding Protection; Residual Current Monitoring; Insulation Resistance Detection; Surge Protection:DC Type II / AC Type III; AFCI(Optional); PID Repair(Optional)		