

OUTDOOR ESS CABINET

HYBRID SYSTEM

50kW+156/208 kWh



PRODUCT FEATURES

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

Product Model		156kWh	208kWh
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%	
Battery	Max. Input Power	75000Wp	
	MPPT Voltage Range	150-850V	
	Startup 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	LiFePO4	
	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%	
Battery Data	Size (W*H*D)	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)	