SAIKO SOLAR

116kW/233kWh

Distributed Liquid Cooling Integrated Machine

Convenient and flexible

- High power density design, occupying only 1.3 m²
- Modular, easily scalable, and easy to relocate

Safe and reliable

- Intelligent control with early system fault warning
- Single-cluster precise control with electrical and fire safety isolation

Cost-effective

- High-efficiency full liquid cooling with system circulation efficiency over 90%

Intelligent maintenance

- Multiple control modes suitable for various application scenarios
- Intelligent 3S system collaborative control with millisecond-level response

Dc Parameters	
Battery cell type	LFP 3.2V/280Ah
Battery module configuration	11.648kWh/1P13S
Battery pack configuration	46.592kWh/1P52S
Battery system configuration	232.96kWh/1P260S
Rated voltage	832V
Voltage range	728~936V
System capacity	232.96kWh
Rated charge/discharge power	0.5C
Ac Parameters	
Rated power(kW)	116
Maximum power(kW)	127.6
Rated current(A)	168
Wiring method	Three-phase three-wire / Three-phase four-wire
Allowed grid voltage(Vac)	380/400(-15%~15%)
Allowed grid frequency(Hz)	50/60(-2.5~2.5)
Total current harmonic distortion rate	≤3%
Voltage ripple coefficient	≤1
Power factor	0.99/-1~1
System Parameters	
Charge and discharge efficiency	> 92%
Charge and discharge rate	0.5C
Depth of discharge	90%DOD
Cycle life	≥6000cyc @25°C, 90%D0D, 80%EOL
Cabinet protection level	IP55
Battery pack protection level	IP67
Corrosion resistance level	C3/C5
Cooling method	Liquid cooling
Operating temperature	-20°C ~ 55°C
Operating humidity	5%~95%RH(Non-condensing)
Operating altitude	2000m(> 2000mDerating)
Fire suppression medium	Aerogel
Maximum number of parallel units	10
Communication interface	Ethernet / RS485
Control method	Local EMS / Cloud platform / Mobile app
Three-phase imbalance management	Support
Off-grid mode	Support
Dimensions (W * D * H mm)	1000*1300*2450mm (W*D*H)
Weight (kg)	2800

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