

112KWh Outdoor Cabinet Energy Storage System

HJ-G0050-0112F 50KW/112KWh



> Product Introduction

The HJ-G0050-0112F is a high-efficiency integrated outdoor cabinet energy storage system. It adopts a modular air-cooled design with rated AC output power of 50kW and total capacity of 112kWh, supporting grid-connected operation.

This system integrates battery PACK, intelligent BMS, power distribution and temperature control modules, and is equipped with solar-storage hybrid inverter. It is widely applied in peak load shifting, new energy power consumption, emergency power supply and other application scenarios.

> Product Features



Efficient and stable battery system



one-piece design



grid-connected solar-storage hybrid inverter

Model	HJ-G0050-0112F
Rated AC Power	50kW
Wiring Mode	3W+N+PE
Rated AC Voltage	380/400V a.c., 3W+N+PE
Rated Frequency	50/60Hz
Max Output Overcurrent Protection	114/108.3
Max Continuous AC Current	152/72
Power Factor	>0.99

Off-grid AC Output

Rated AC Power	50kW
Wiring Mode	3W+N+PE
Peak Power Capacity	110% for 30s, 120% for 10s, 150% for 0.2s
Rated Grid Voltage	380/400V a.c.
Rated Frequency	50/60Hz
Max Allowable Unbalance Degree	100%
Backup Switching Time	<10ms

PV Input Parameters

Max PV Input Power	100kW
Max Input Voltage	1000V
Start-up Voltage	200V
MPPT Voltage Range	150V~850V
Max Input Current	20A*8
MPPT / Max String Number	4 / 2+2+2+2
Battery Type	Lithium Battery
Operating Voltage Range	135V-850V
Battery Start Voltage	250V
Max DC Current	100A*2
Battery Connection Ports	2 ports

System parameter

European Efficiency	>97.5%
MPPT Tracking Efficiency	>99.9%
Maximum Efficiency	>98.5%
Dimension(WDH)	1150*1000*2000mm (excluding protruding parts)
Weight(Approx.)	<1500kg
Protection Grade	IP54 Outdoor Cabinet
Operating Temperature	-20°C~45°C; Linear derate to 60% at 45°C~60°C
Relative Humidity	0%RH~95%RH, non-condensing
Cooling Mode	Intelligent Air Cooling
Noise Level	<65dB
Altitude	4000m, derate above 4000m
Display	APP + LCD
Communication Interface	RS485 / WiFi / CAN