

Outdoor Communication Single Warehouse Cabinet

HJ-SG-D01

Application Scenario

Communication Base Stations
Smart Cities and Transportation Systems
Power Systems
Industrial and Mining Sites
Border Defense and Field Stations
Emergency Rescue and Remote Field Construction



Multiple Green Power Integration

This option supports the introduction of multiple power sources, such as photovoltaic, wind, and oil generators, and offers multiple voltage outputs (AC 220V, DC 48V, -12V).



High Protection Level

Cabinet protection level IP55, salt spray resistance of up to 500 hours, FRP material ensures strong anti-corrosion performance in harsh outdoor environments.



Efficient Energy Storage

Configurable high-efficiency, long-life battery storage, supporting up to 3500 cycles



Smart Thermal Management

Temperature-controlled fan with adjustable wind speed and low power consumption, supporting RS485 serial communication for data upload

Product Specifications		
Product Specifications	Overall Dimensions (W*D*H)	900(W)×900(D)×2200(H)mm/P55 protection
	Installation Mode	Landing
	Cooling Solution	Intelligent Temperature Control (Heat exchange/air conditioning, energy-saving automatic switching refrigeration)
AC Input	AC input Voltage	Single Phase/Three Phase 380VAC Input (dual input interlock)
	Rectifier Module	50A, Fully Equipped 400A Shared slot with Photovoltaic Module
Photovoltaic input	Photovoltaic Module Capacity	550Wp*8 Pieces;=4.4kw
	Photovoltaic modules	50A(3000W)*2
Wind Power	Wind Power	600W~2000W
	Fan Control Module	2KW
Energy Storage and Backup	LiFePO4	100AH, 51.2V; Fully Equipped with 4 Groups, Energy Storage 20KWH
Output Characteristics	DC output Voltage	32VDC~58VDC(Default 53.5VDC)
	Output Configuration	Battery: 4*125ADC:63A*4, 32A*4, 16A*6; AC: input 32A*3, Lightning Protection Level C; Socket: 2-way;
Monitoring unit System	Signal input	1 Analog input (Battery temperature) 4 Number of Dry Contact inputs
	Alarm Output	4 Road Dry Contact
	Communication Interface	RS485
	Storage Capacity	Up to 1000 historical alarm records
	Sensor	Temperature and Humidity, smoke, access control, water immersion
Environment	Operating Temperature	-20~+75°C (-40°C Can be started)
	Storage Temperature	-40°C~+75°C
	Operating Humidity	5%~95% (No condensation)
	Altitude	≤4000m (1800m~4000m, each increase in Altitude 200m, the Temperature Drops by 1°C.)

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