

Outdoor communication energy cabinet

HJ-SG-D02

Application Scenario

Supports the integration of photovoltaic/wind power/generators, making it ideal for communication base stations, remote sites, and edge computing stations



High Protection Level

IP55 protection rating, C4-level corrosion resistance, and FRP material, offer excellent anti-corrosion performance for harsh outdoor environments

BMS

Advanced BMS Configuration

Equipped with a rack-mounted lithium iron phosphate battery and an advanced intelligent BMS management system, providing integrated, compact, and lightweight real-time monitoring and protection features.

EMS

Integrated Smart EMS

The energy management system improves energy efficiency and monitoring



Multiple Power Generation Options

The cabinet includes solar panels and wind turbines, providing a multi-channel power supply to ensure continuous equipment operation.

Model		HJ-SG-D02-01	HJ-SG-D02-02
Environmental Requirements	Operating Temperature	-40~+50°C	
	Relative Humidity	5%~95%, No condensation	
	Heat Dissipation Method	AC/emergency fan combination	
Basic Parameters	Size	Single warehouse 40U cabinet 2100*900*900mm	Double warehouse 40U cabinet 2100*1750*900mm
	Reserved Space	10U*1	40U
	Temperature Control System	1.5KW air conditioner/emergency fan+DC300w air conditioner	1.5KW air conditioner*2/emergency fan
	Dustproof and Waterproof	IP55	
	Weight	<500KG (Equipment not included)	<800KG (Equipment not included)
Mains Power introduction	Input Voltage	Single-phase 85VAC~300VAC/380V three-phase, 45Hz ~ 66Hz	
	Input Current	Single phase 100A	
Photovoltaic	Photovoltaic Capacity	Maximum 6.6KW	
Load output	Capacity	Maximum 24KW	
	Rectifier Module	Maximum 24KW(-48V)	
	Photovoltaic Module		
	Rectifier Module	600W(DC 12V/24V)	
	Inverter Module	3KW(220V)	
Energy Storage System	LiFePO4	Maximum 20KWh	Maximum 30KWh
Dynamo	Diesel Generator sets	Silent type, fully automatic, Ac 380V, 8KW~20KW (optional)	
Wind Power	Wind Turbine+Controller	Rated power: 1KW/48V battery system(optional)	

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