

# Communication container station

HJ-SG-R01

## Application Scenario

### Telecom Networks

Ideal for powering medium- to large-scale telecom stations in off-grid areas

### Other Applications

Suitable for communication base stations, smart cities, transportation, and power systems, providing stable backup power and optical fiber connectivity in edge site scenarios



### Supports Multiple Green Energy Sources

Integrates solar, wind power, diesel generators, and energy storage systems to achieve an energy-saving solution, with a maximum load capacity of up to 600A



### Durable Design

The outer layer of the cabinet is made of corrosion-resistant FRP material, making it suitable for coastal environments



### Easy to Transport

The cabinet is made of lightweight aluminum alloy, allowing for manual transportation. It supports factory prefabrication and can be lifted and installed as a whole unit



### Fully Integrated System

Combines power generation, energy storage, and communication infrastructure in a single system, enabling rapid and efficient deployment



Product Specifications		
Container Product Specifications	Overall Dimensions (W*L*H)	2400(W)×6000(L)×2800(H)mm/P55 protection
	Installation Mode	Landing
	Cooling Solution	Intelligent temperature control (Fresh air system / precision 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 600A Shared slot with photovoltaic modules
Photovoltaic input	Photovoltaic Module Capacity	550Wp*12 pieces;=6.6kw
	Photovoltaic Modules	50A(3000W)*4
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 50KWH
Output Characteristics	DC output Voltage	432VDC~58VDC (default 535VDC)
	Output Configuration	Battery: 2*600A DC: 63A*6, 32A*4, 16A*6; AC: input 32A*4, lightning protection level C; socket: 2-way;
Monitoring unit System	Signal input	Analog input (battery temperature) 4 digital dry contact inputs
	Alarm Output	4-Way Dry Contact
	Communication Interface	RS485
	Storage Capacity	Up to 1000 Historical Slarm Records
	Sensor	Temperature and HHumidity, smoke, access control, water immersion
Environment	Operating Temperature	-20~+75°C(can be started at -40°C)
	Storage Temperature	-40°C~+75°C
	Operating Humidity	5%~95%(No condensation)
	Altitude	≤4000m (1800m~4000m, the temperature decreases by 1°C for every 200m increase in altitude.)

## Contact Us

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