



Haitai Solar

Communication Base Station Power Supply System



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New energy hybrid power supply system For communication base station ,Configure different power supply system equipment according to different base station requirements

01

PV MPPT control and grid rectifier module design,PV module support 5kW-30kW,rectifier module support 5-15kW expansion design

02

Can simultaneously manage multiple energy sources such as solar, wind, grid, fuel generators, batteries,etc

03

The system has multiple protections such as overvoltage, overcurrent, over temperature, undervoltage, short circuit, etc. It integrates battery management functions and has battery reverse connection, overcharging, and over discharge protection functions.

04

The system has RS232,RS485,CAN communication ports

05

Outdoor IP54 protection level, multiple safety controls and lightning protection design, suitable for harsh environments such as high altitude and ultra-low temperature

Control Cabinet Parameter	
PV control input voltage	60Vdc ~ 150Vdc
PV control output voltage and current	48Vdc/50A
PV control installation quantity	3-10PCS
Rectifier module input voltage	90Vac—300Vac
Rectifier module output voltage and current	48Vdc/50A
Rectifier module installation quantity	3-6PCS
Protection level	IP54
Cooling method	Natural cooling
dimensions	600*600*2000
Power supply Cabinet Parameter	
Battery module capacitor	51.2V100AH
Battery module dinensions	3U
cell type	LFP
Installation quantity	<10 PCS
Coolingmethod	Forced air cooling