

HW Distributed power supply system



- DC unit, AC / DC input converted to -48Vdc output, support 3 line DC output, 1 line battery input.
- AC unit which supports 3 line of constant AC output and 1 line
- DC connection Port. It can be connected to the battery and DC load output.
- Battery unit provides reliable power preparation to AC and DC application.
- DC distribution box is used to DC output path expansion.



Key Features:

Rapid deployment

- Compact in size and light in weight;
- Save station, save space;
- Easy to handle and transport.
- Flexible design with 10 minutes quick station of single person
- Power unit and battery unit support modular capacity expansion.
- Support pole installation and wall installation, and support flag installation.
- Support multi - system input: AC, DC input

Brief introduction

- HW distributed power supply is a new generation specially that designed for the terminal device of communication network.
- It is mainly used for Easy Macro, indoor or out door of RRU room, AC and DC power supply, and other standby electric application.
- It supports varies of installation methods, such as pole installation and wall installation, and support flag installation and surface mounted installation. It also has the advantages of easy to installation, expanding maintenance-free, and flexible power module.



Holding pole
Support 60~380mm
diameter holding bar



Flag installation



Wall mount

Simple operation:

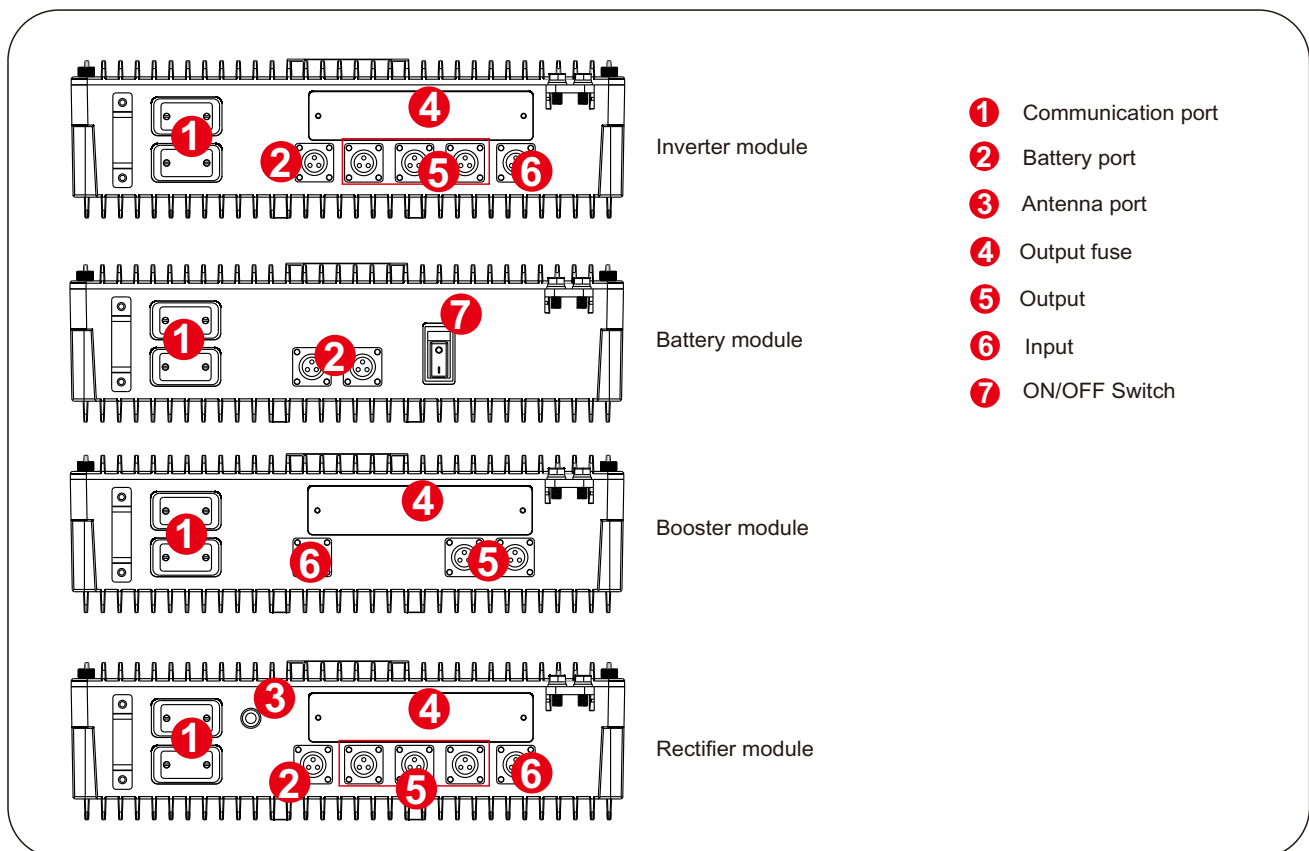
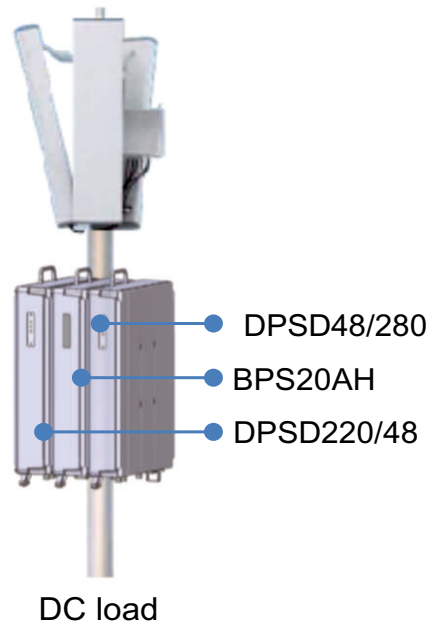
- Maintenance of near-end mobile phone APP management, free of tower maintenance, support intelligent monitoring.
- Natural heat dissipation, reduce temperature control equipment energy consumption, zero noise. 3 to 5 years free of daily maintenance.

Reliable power supply:

- IP65 protection grade, adapt to the harsh application environment, like rain or shine.
- Wide temperature operating range -40 °C ~ + 55 °C, high reliability of lithium iron battery.

Application scenarios:

1. Indoor/outdoor distributed site
2. RRU remote station
3. Easy Macro site
4. Lamp site
5. AtomCell outdoor hot spot or blind coverage



DC scene power supply solution

Product model		AC/DC rectifier module HWD series			DC/DC boost module	Battery module
System indicators	Type	Integral type (built in 20AH battery)	Split mounting type			
	Size	300mm (W) ×200 mm (H)× 431mm (D)	300mm (W) ×99 mm (H)× 431mm (D)			
	Weight	27kg	13kg	11kg	25kg	
	Installation	wall-mounted、pole mounted、flag installation、angle steel tower installation				
	Rated power/Capacity	1000W	2000W	3000W	1000W	2000W/20AH
	Entry cable	Bottom in line, bottom out line				
	Protection class	IP65				
	Work temperature	-40°C ~ +55°C				-40°C ~ +55°C 45°C above applications need to be equipped with sunshade
	The cooling mode	Natural heat dissipation				
Environmental indicators	Storage/Transport Temperature	-40°C ~ +70°C				
	Operating humidity	5% ~ 95% (non-condensing)				
	Altitude	-60m ~ 4000m (For every 200m increase in altitude from 2000m to 4000m, the highest working temperature decreases by 1°C)				
Input	Input format	220VAC single phase/110VAC double live wire /HVDC			-48VDC	-48VDC
	Input voltage	AC:85 ~ 300VAC , HVDC:85 ~ 400VDC			-40VDC ~ -60VDC	-48VDC
	Input frequency	45Hz ~ 65Hz			NA	NA
	AC input	1×220V/10A	1×220V/20A	1×220V/30A	NA	NA
	AC lightning protection	Difference Mode : 20kA , common mode : 20kA				
Output	Output power	1000W	2000W	3000W	1000W	
	Output voltage	48VDC			280VDC	-48VDC
	DC output	3×10A(With a replaceable fuse)	3×20A(With a replaceable fuse)	3×30A(With a replaceable fuse)	2×10A	1×20A
	DC lightning protection	Difference Mode : 10kA , common mode : 20kA				
The module efficiency		≥96%			≥90%	NA
Communication interface	Interface definition	2× DB15 Port (CAN+3×DO+RS485+RS232)			1 way CAN	1 way CAN、 1 way RS485

STANDARD:EN 62109-1:2010 EN 62109-2:2011 EN 62040-1:2008+A1:2013 IEC 62109-1:2010 IEC 62109-2:2011

Note:Product specifications are subject to change without further notice.

AC scenario power supply scheme

Product model		AC inverter module HWA series		Battery module
System indicators	Type	Assembled type		
	Size	300mm (W) ×99 mm (H)× 431mm (D)		
	Weight	30kg		
	Installation	wall-mounted, pole mounted, flag installation, angle steel tower installation		
	Rated power/capacity	1000VA	2000VA	2000W/20AH
	Entry cable	Bottom in line, bottom out line		
	Protection rank	IP65		
	Working temperature	-40°C ~ +55°C		-40°C ~ +55°C 45°C above applications need to be equipped with sunshade
	Cooling mode	Natural heat dissipation		
Environmental indicators	Storage/transportation temperature	-40°C ~ +70°C		
	Operating humidity	5% ~ 95% (No condensation)		
	Altitude	-60m ~ 4000m (2000m ~ 4000m For every 200m increase in altitude, the highest working temperature B28 H10decreases by 1°C)		
Input	Input formats	220VAC one phase		-48VDC
	Input voltage	AC:85 ~ 300VAC		-48VDC
	Input frequency	45Hz ~ 65Hz		NA
	Ac input	1×220V/10A	1×220V/20A	NA
	Ac lightning protection	Difference mode: 20kA, common mode: 20kA		NA
Output	Output power factor	0.8(0.9 optional)		NA
	Output power	800W	1600W	
	Output voltage	220VAC		-48VDC
	Ac output	3×16A(With a replaceable fuse)		NA
Module efficiency		≥93%		NA
Communication interface	Interface definition	2× DB15 Port (3×DO+RS232)		1way *CAN, 1way*RS485

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