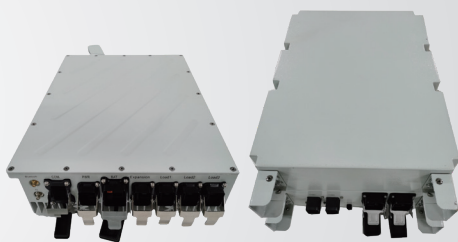


HW Series

5G Integrated Power Supply

- Wide working temperature : -40℃~55℃
- Output 48Vdc and 280Vdc modules for selection.
- Modular design for easy installation
- IP65 for outdoor



5G



Performance

Model	HW20E-L50DC48	HW30E-L50DC48
Capacity	2000W/48V + 48V/50Ah	3000W/48V + 48V/50Ah
Input Voltage	176VAC ~ 264VAC	
Input Frequency	45Hz ~ 55Hz	
Input Power Factor	> 0.98 (30%rated load) ; > 99% (100%rated load)	
Output Voltage	- 43VDC ~ - 58VDC	
Output Voltage Stabilization Accuracy	< ±0.6%	
Conversion Efficiency	> 96.5% (50%rated load) ; > 96% (100%rated load) ;	
Peak To Peak Noise Voltage	≤200mV	
Source Effect	≤±0.1%	
Load Effect	≤±0.5%	
Input Over Voltage Protection	≥120% of rated voltage	
Input Under Voltage Protection	≤80% of rated voltage	
Output Over Current Protection	The current limiting range of output current can be adjusted from 20% to 110% of its nominal value	
Short Circuit	Yes	
Over Temperature Protection	Yes	
Lightning Protection	Can withstand 5 times of impact of simulated lightning current waveform 8/20us, 20kA	
System Noise	< 45dB (A)	
Communication	Dry contact, RS232/RS485、NB-IOT、Bluetooth、Wireless, Etc.	
Protection Class	IP65	
Size		
Power Module	W306mm×D98mm×H410mm	
Battery Module	W316mm×D220mm×H410mm	
Weight		
Power Module	10.8kg	
Battery Module	34.4kg	

Environment

Parameter	
Working Temperature	-40~65℃(≥65℃, output power derating)
Storage Temperature	-40~80℃
Humidity	10~95%(non-condensing)
Atmospheric Pressure	70~106KPa
Altitude	0~3000m
Cooling Mode	Natural cooling

Antistatic Environment

Item	Parameter
AC To GND	The effective value is 2500V AC voltage (leakage current ≤ 30mA) or 3535v DC voltage with its peak value for 1min, without breakdown or arc.
AC To DC	The effective value is 2500V AC voltage (leakage current ≤ 30mA) or 3535v DC voltage with its peak value for 1min, without breakdown or arc.
DC To GND	The effective value is 500V AC voltage (leakage current ≤ 30mA) or 707V DC voltage with its peak value for 1min, without breakdown or arc.
Insulation Resistance	When the ambient temperature is 15℃ ~ 35℃, the relative humidity is ≤ 90%, and the test voltage is DC 500V, the insulation resistance of AC circuit, DC circuit to ground and AC part to DC part shall not be less than 2MΩ

* Specifications are subject to change without prior notice.

Application

5G base station, small program control switch, access network, transmission equipment, mobile communication, satellite communication ground station, microwave communication power equipment.

Performance Characteristics

Intelligent Management

- Perfect battery management with LVLD+LVBD functions: temperature compensation, automatic equalization and floating charge control, automatic voltage regulation, battery capacity calculation, online battery testing, etc
- Communication interfaces RS485/dry contact AC and DC side lightning protection design for thunderstorm areas
- Optional APP to realize remote meter reading function
- Built-in wireless monitoring unit to realize NB-IOT access to each user's monitoring network

Advanced Technology

- Active power factor compensation technology: input power factor 0.99
- Wide input voltage range: AC input voltage 90~290V Full-bridge soft switching technology: full-load efficiency ≥ 95%
- Wide working temperature : -40℃~55℃
- Ultra low radiation and advanced EMC design
- Safety standards EN60950 and GB4943

Flexible Design

- Output 48VDC and 280VDC modules for selection
- IP65 to meet the application of wall hanging, pole holding, angle steel erection, etc., and supports installation with flag mounting, flat mounting, and floor mounting
- Modular design for easy installation, simple operation and maintenance
- LiFePo4 battery pack and battery expansion connector reserved for easy expansion