

# HW-DE Series

Lithium battery integrated power supply

- Indoor/outdoor design
- Build in LiFePO4 battery
- All-in-one solution



1KVA - 3KVA

## Power Range

1kVA-3kVA

## Application

Telecommunication base stations, network optimization, railway, post, public security and other special network computer room systems

### Reliable and energy saving

- With power-on self-check function
- Intelligent speed regulation design of the fan extends the service life of the fan
- The built-in LiFePO4 battery with wide operating temperature range, long life and green energy
- Advanced IGBT technology to enhance the load capacity for sudden power change at the moment of the base station equipment launched
- Cold start function
- Heating blanket(optional) to automatically heat the battery under low-temperature conditions to improve battery performance

## Performance Characteristics

### Intelligent Flexibility

- Indoor and outdoor design for convenient use in various applications
- Integrated structure with built-in LiFePO4 battery to save space
- Modular design: power module, battery pack module, power distribution module and heat dissipation system module to realize fast installation and maintenance

### Intelligent monitoring management

- RS232 interfaceSupport RS485/dry contact and SNMP card as options alarm
- Perfect protection function of output over voltage, under voltage, output overload and short-circuit protection; over-temperature protection; battery under-voltage warning and protection; anti-surge, lightning protection etc
- Intelligent unattended function

## Performance

Model	HW10DE-L50		HW20DE-L50	HW30DE-L50
Input				
AC Voltage	176~250VAC (settable)			
Frequency	50Hz±5%			
Power Factor	≥0.99			
DC Voltage	48VDC			
Output				
Rated Power	1000VA	2000VA	3000VA	
Power Factor	0.8			
Voltage	220VAC±2% (inverter mode)			
Efficiency	≥90% (inverter mode)			
Frequency	50Hz±0.25Hz (inverter mode)			
Waveform	Pure sine wave (inverter mode)			
THDu	≤3%( linear load under full load)			
Overload Capacity	125% rated load protect after 1 minute; 150% rated load protect after 10 sec			
Switching Time	≤10ms			
DC output				
Voltage	-48VDC			
Current	6A/30A (including charging current)			
Battery				
Low Voltag Warning	43VDC±0.5VDC			
Under Voltage	≤40VDC			
Overvoltage Protection Point	≥60VDC			
Overvoltage Recovery	≥55VDC			
Reverse Connection Protection	Yes			
Over Voltage Protection	≥245VAC			
Low Voltage Warning	≤200VAC			
Protection characteristics				
Output Short Circuit Protection	Yes			
Over Temperature Protection	Built-in fan for heat dissipation, intelligent speed regulation according to load			
Battery				
Capacity	48V 50AH LiFePO4 battery pack (optional)			
Maximum Charging Voltage Range	53~59VDC (settable)			
Maximum Charging Current	6A/30A			
Physical				
WxDxH(mm) (1* 48V50Ah LiFePO4 Battery)	600 x 295 x 680			

\* Specifications are subject to change without prior notice.