

HW9116C Plus Series

Integrated Outdoor Online UPS 1-10KVA

Telecom



Industry



Local area Networks



► Product snapshot:

Model: 1-10KVA

Nominal voltage: 220/230/240VAC

Nominal frequency: 50/60Hz

Output Power factor: 0.9

Reliable power Rich experience

HW9116C plus series communication marginal network outdoor UPS is special for wireless communication system of outdoor micro cellular base station and design of a high-performance integrated outdoor online uninterrupted power supply system, has the very high technology advancement and practicability.

Key Features:

- SORO Outdoor Intelligent High Frequency Online UPS provide continuous pure sine wave AC power supply for outside communications / network equipment.
- Double-conversion online design, high temperature resistant, anti-cold, sealing level for IP55; With the wide range of input voltage and frequency of input window ($-45\% +35\%$ rated voltage and $\pm 10\%$ rated frequency), in many remote areas of China after a severe test of the grid.

Application

This UPS is commonly used in the corner of the city, remote roads, mountains, bad environment, such as high temperature ($+50^{\circ}\text{C}$) / low temperature (-40°C), severe dust, moisture, rain, mist erosion, very poor power quality areas.

High Reliability of the UPS System

- Using microprocessor control, directly produce high-frequency pulse width modulation wave (SPWM) control of the UPS inverter, to simplify the UPS control circuit, to improve the stability, to have more real-time UPS to quickly respond to changes in the external environment and guarantee the machine's control circuit is more simple and reliable.
- Using digital control techniques, to avoid the traditional analog control temperature drift inherent defects such as hardware parameters, to ensure consistency and reliability of UPS.

Fine dust-proof, water-proof features

According to the overall standard of design dust-proof and water-proof Ip55

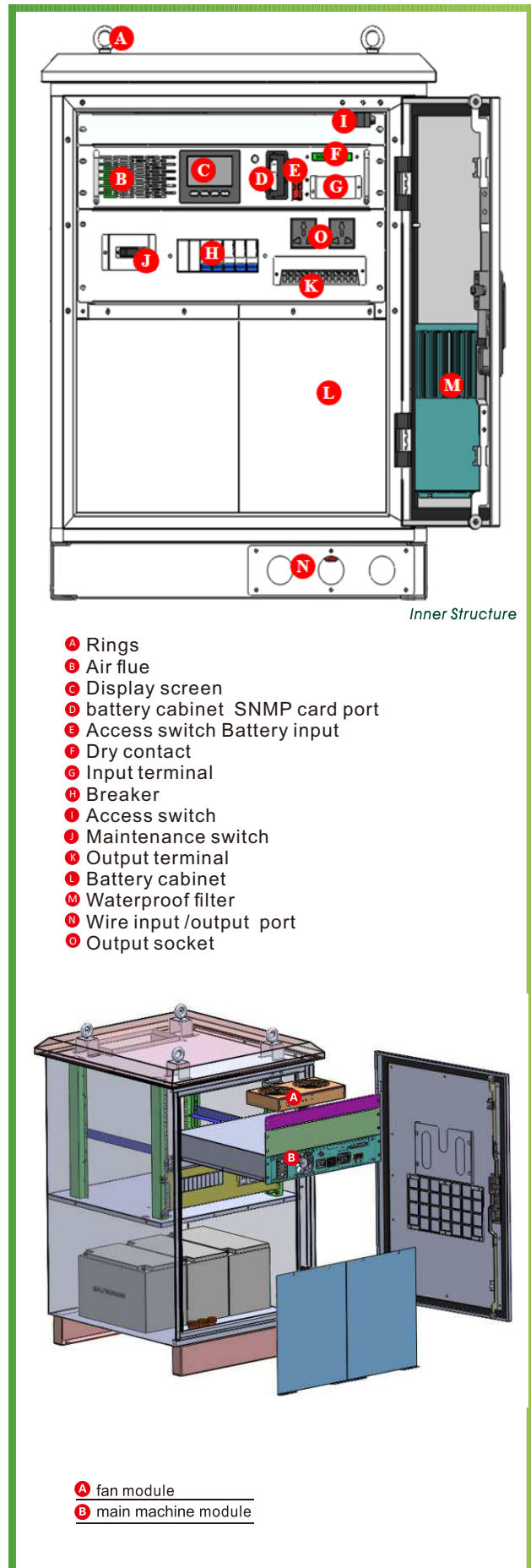
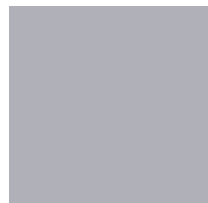
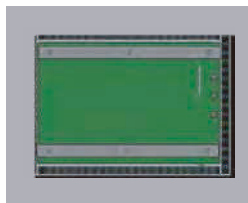
- With a sun protection, heat insulation, roof ventilation
- With waterproof and the filtration dust inlet; the cabinet front door shutters with waterproof design, on the back of welding water tank, water tank installed above the net with quick release feature of the dust.



Security features

Solid chassis box

Fixed base case





Environmental adaptability

■ Wide input voltage, avoids frequent switching to battery power because of large power grid voltage, reduce battery failure probability, adapt to the power environment in poor areas.

■ Input Frequency Range 40-70Hz, to ensure the fuel generator can access all kinds of stability to meet user requirements for use on the oil machine.

Optional accessories

Heat exchanger

The environment which require higher IP level, we use heat exchanger to effectively reduce the temperature of box inside and improve IP protection level.



Heater and temperature controller

To reduce low temperature climate impact to batteries and UPS, we adopt ajustable heating device to ensure the UPS and battery life of normal use.



UPS Power Solutions Expert

HW9116C Plus Series Technical Specifications

Model		HW9116C Plus 1-10KVA				
		1KVA	2KVA	3KVA	6KVA	10KVA
Capacity	1KVA/0.9KW	2KVA/1.8KW	3KVA/2.7KW	6KVA/5.4KW	10KVA/9KW	
Nominal Voltage	220/230/240VAC					
Nominal Frequency	50Hz/60Hz					
Input						
Voltage Range	115～300VAC (±3VAC)			120～275VAC (±3VAC)		
Frequency Range	40-70Hz					
Power Factor	0.98					
Output						
Voltage Precision	220/230/240X (1±2%)VAC					
Frequency Precision	50/60HZ±0.05Hz					
Power Factor	0.9					
Wave Distortion	Linear load <3% Non-linear load <6%			Linear load < 2% Non-linear load < 4%		
Overload Capability	110%-150% for47-25sec;150-200%for25-300ms;> 200%for 0.2s			105%-125% for1min;125-150%for 30s;> 150%for 0.5s		
Crest Factor	3：1					
Transfer Time	0ms（AC to DC）					
Battery						
DC Supply Voltage	36VDC	72VDC	96VDC	192VDC	192VDC	
Charge Current	6A	6A	6A	4.2A	4.2A	
Internal Battery Caoacity	(38/65/80/100AH) optional					
Panel Display						
LED	Load level/Battery level, Battery indicator,Utility power, Inverter, Bypass, Overload, Fault					
Communications						
communicate interface	RS232、SNMP card（optional）					
Work Environment						
Temperature	-40～55℃					
Humidity	0～95%（Non-condensing）					
Storage Temperature	-25℃～55℃					
Elevation	< 1500m					
Physical Characteristics						
Weight（KG）	N.W	85	125	125	150	155
Dimensions（W×D×H）mm	620*450*805	620*500*1085	620*600*1085	650*900*1600	650*900*1600	

STANDARD: Conform to GB/IEC regulation: EMC:GB7260.2/IEC62040-2 -GB/17626.2~5/IEC61000-4-2~5 SAFETY:GB4943

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