

Outdoor high frequency online UPS

interberg batteries



ODU UPS (1KVA-10KVA)

Power Availability



Ed.03 - 20180319



UPS with space for 20 pcs of 12V100AH batteries inside

Reliability, Availability, Scalability, Redundancy,

User-friendliness and Maintainability,

whichever value you need,



ISO 9001:08 -- ISO 14001:04
OHSAS 18001:07
Certificate No.: 09-QE0-01427-TIC



interberg batteries ltd
mirador de despeñaperros 17
28400 collado villalba (madrid)
spain

e-mail: info@interberg.com
website: www.interberg.com

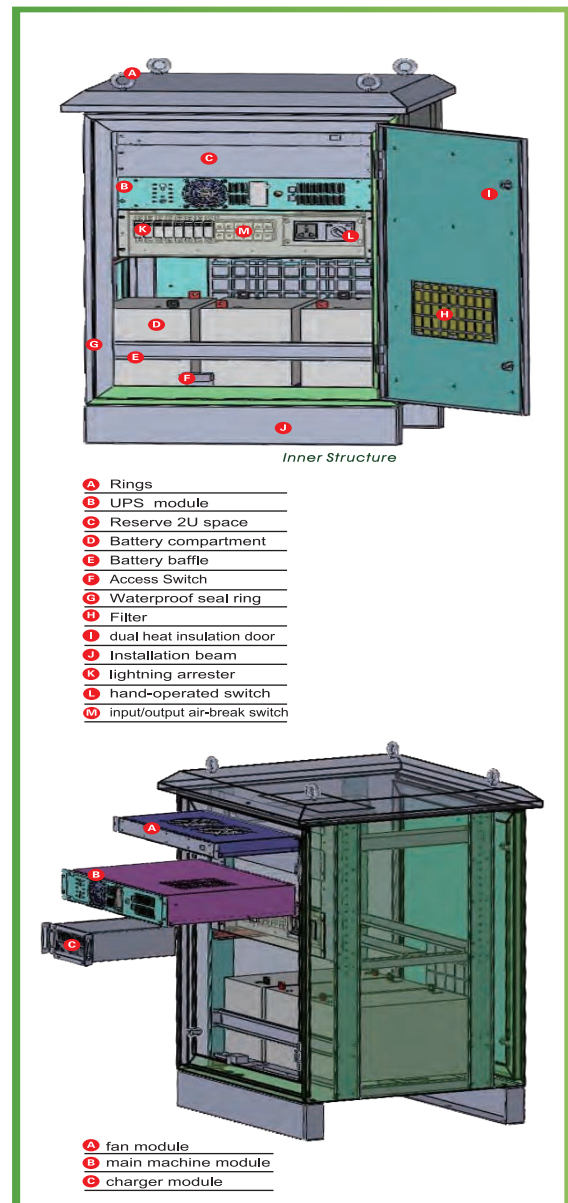
YOUR POWER QUALITY PARTNER

OUR 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 uninterruptible power supply system, has the very high technology advancement and practicability.

2

Major Applications

- Information Technology
 - Data Centers
 - Servers (LAN, WAN, MAN, ERP, e-mail, web and others)
 - Networking
- Telecommunication
 - Mobile (2G, 2.5G, 3G)
 - Paging
 - Fixed (including WLL)
- Industrial Automation
 - Process (including instrumentation)
 - Motion (digital drives & robotics) and motor loads
- Transport Automation
 - Airport automation and flight booking
 - Others including railways & road transport automation & ticket booking
- Banking, Insurance and Financial Services
- Software Development Houses / Software Technology Parks (STP)
- Building Automation
 - Access Control
 - Security System
 - Fire Alarm System
 - Emergency Lighting
 - Other Critical Applications
- Medical Diagnostics
 - Magneto Resonant Imaging
 - CT Scanning
 - CathLab
- Satellite
 - Uplinking
 - Earth Stations





Application

This UPS is commonly used in the corner of the city, remote roads, mountains, bad environment, such as high temperature (+50 °C) / low temperature (-40 °C), severe dust, moisture, rain, mist erosion, very poor power quality (voltage long-term higher than 260V or less than 160V, frequency abnormal change) in the area.

Key Features

- 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 ± 10% rated frequency), in many remote areas .

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.

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.

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 45 ~ 55Hz, to ensure the fuel generator can access all kinds of stability to meet user requirements for use on the oil machine.

WE HELP YOU GET IT RIGHT - RIGHT FROM THE START.

OLD UPS (1KVA-10KVA)

Power Availability

Specifications

Model	OLD					
	1KVA	2KVA	3KVA	6KVA	10KVA	
Capacity	1KVA/0.8KW	2KVA/1.6KW	3KVA/2.4KW	6KVA/4.8KW	10KVA/8KW	
Nominal Voltage	220/230/240VAC					
Nominal Frequency	50Hz/60Hz					
Input						
Voltage Range	115 ~ 295VAC (±3VAC)			176 ~ 297VAC (±3VAC)		
Frequency Range	50HZ: (46 ~ 54HZ) ; 60HZ: (56HZ ~ 64HZ)					
Soft Start	0 ~ 100% 5sec					
Power Factor	0.98					
Output						
Voltage Precision	220/230/240X (1±2%)VAC					
Frequency Precision	50/60HZ±0.05Hz					
Power Factor	0.7/0.8 (optional) standard 0.7					
Wave Distortion	Linear load <3% Non-linear load <6%					
Overload Capability	Overload (110% ~ 150%) for 30 seconds,then automatically transfer to bypass.When load is normal,it can automatically transfer to normal mode.					
Crest Factor	3 : 1					
Transfer Time	0ms (AC to DC)					
Battery						
DC Supply Voltage	36VDC	96VDC	96VDC	240VDC	240VDC	
Charge Current	4A/8A (optional)	4A/8A (optional)	4A/8A (optional)	4.2A	4.2A	
Internal Battery Capacity	(38/65/80/100AH) optional					
Panel Display						
LCD	Display input and output voltage, frequency, battery voltage, battery capacity, load percentage					
Communications						
communicate interface	RS232、SNMP card (optional)					
Work Environment						
Temperature	0 ~ 55℃					
Humidity	0 ~ 95% (Non-condensing)					
Storage Temperature	-25℃ ~ 55℃					
Elevation	< 1500m					
Physical Characteristics						
Weight (KG)	N.W	85	125	125	150	155
Dimensions (Wx D x H)mm		640×900×900	640×900×1185	640 ×900×1185	940×940×1770	940×940×1770

STANDARD: Conform to GB/IEC regulation: EMC:GB7260 2/IEC62040-2 GB/17626 2 ~ 5/IEC61000-4-2 ~ 5 SAFETY:GB4943

www.interberg.com