

OutPro UPS

Local area
Networks



Industrial
Processes



Telecom



Integrated Outdoor Online UPS 1-10KVA



Reliable power rich experience

OutPro 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.

General Specifications:

- PWP 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) .

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Applications

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 longterm higher than 260V or less than 160V, frequency abnormal change) in the area.

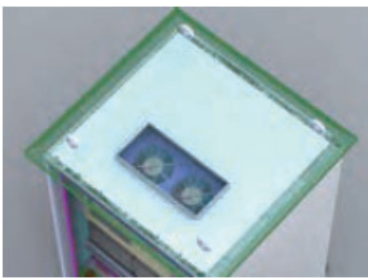
High Reliability of the UPS System

- 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

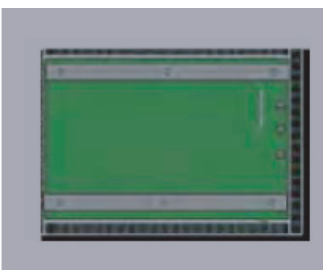
According to the overall standard of design dust-proof and water-proof IP55.

- 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 wit quick release feature of the dust.

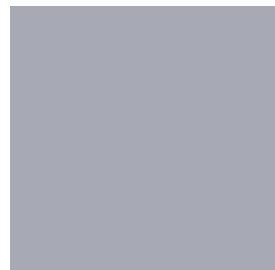


Security features

Solid chassis box



Fixed base case



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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.

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

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



Technical Specifications

MODEL	OutPro UPS					
	1 kVA	2 kVA	3 kVA	6 kVA	10 kVA	
Capacity	1kVA/0.7kW	2kVA/1.4kW	3kVA/2.1kW	6kVA/4.2kW	10kVA/7kW	
Norminal voltage	220/230/240 VAC					
Norminal 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					
Harmonic Distortion	Linear load <3% , Non-Linear<6%					
Overload Capacity	Overload (110%-150%) for 30s,then automatically transfer to bypass .When load is normal,it can automatically transfer to normal mode.					
Current Crest Ratio	3:1					
Transfer time	0 ms (AC to DC)					
BATTERY						
DC voltage	36VDC	96VDC	96VDC	240VDC	240VDC	
Charging 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 temperature,					
COMMUNICATION						
Communication interface	RS232, SNMP Card (Optional)					
WORKING ENVIRONMENT						
Temperature	-40°C ~ 55°C					
Relative Humidity	0-95% (Non-consending)					
Storage Temperature	- 25°C ~ 55°C					
Elevation	< 1500m					
PHYSICS CHARACTERISTIC						
Weight (kg)	N.W	85	125	125	150	155
Dimension: (WxDxH)		613x640x954	650x753x1227	650x753x1227	940x940x1770	940x940x1770

* Specifications are subject to be changed without prior notes

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