

1:1 Phase PF 0.80

**Power range:
1 KVA~10 KVA**



Wide input Range



Power Factor



Double conversion



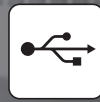
Long Backup



IFR



EPO



Interface (optional)

NETCON Outdoor Series single phase Uninterruptible Power Supply (UPS) is a new generation product incorporating advance digital control technology and double-conversion power topology, the product capable of working with ultra wide range of electric input with high efficiency and reliability, protect mission critical equipment. Engineered for harsh conditions, outdoor UPS systems are equipped with durable enclosures, corrosion-resistant materials, and advanced thermal management to ensure uninterrupted operation even in extreme climates.

FEATURES

- Strong environment adaptability
- High reliability, energy saving, environmental protection
- IP class can reach to IP55
- Internal battery warehouse
- Wide adaptability to power grid
- Unattended and intelligent monitoring (Option)
- Comprehensive protection function
- Fan scheme/air conditioning scheme is optional
(in case of airconditioning failure, when the temperature in the cabinet reaches 40°C, the emergency temperature control fan will be forced to start)



Outdoor series Online UPS 1kVA~10 kVA



Applications

- Ideal for deployment in remote cell stations
- Suitable for outdoor use with water proof and dustproof design
- Built to withstand heat and resist tampering
- Provides reliable power with extended backup duration

Cabinet Cooling Solutions

- Integrated directly into the cabinet door, for effective cooling and space management.
- Each enclosure can be fitted with one or two cooling units, operating in a redundant 1+1 configuration-ensuring continued cooling even if one unit fails.
- Both AC and DC frequency-controlled models are available. The 48V DC model offers low in rush current and is powered via UPS, ensuring consistent operation independent of the utility grid.
- Designed for demanding environments, with temperature range of -40°C to 60°C.

Cooling System

Cooling Fans: AC FAN 230V 2600 RPM x 2

Cabinet Air Condition: AC 220V 300W / 600W (Standard),

Optional: 1000W, 2000W, 3000W, 4000W (based on BTU/hr requirements)



Rack-Mounted Power Distribution Module

- Modular rack-mounted design allows clean integration into existing setups.
- Offers dual power path configuration-one for utility grid input, and the other for generator connection via quick-access terminals.
- Equipped with circuit breakers for reliability and safety.
- Provides advanced surge protection at the C-level for the main input line.
- Designed to deliver stable power distribution to mission-critical loads.

Outdoor Cabinet Specifications

- Protection Level: Rated IP55 for dust and water resistance.
- Robust Construction: Made with sandwich panels comprising color-coated steel and polyethylene insulation.
- Thermal Protection: Features 45mm thick insulation to enhance temperature control and system efficiency.

Outdoor Series Online UPS 1kVA~10 kVA



Technical Specifications

MODEL

Capacity

INPUT

Voltage Range

Frequency Range

Soft Start

Power Factor

OUTPUT

Voltage

Voltage Precision

Frequency Precision

Power Factor

Wave Distortion

Overload Capability

Crest Factor

Transfer Time

BATTERY

DC Voltage

Charge Current

Battery Capacity

SYSTEM

Display

Interface

IP class

Noise

Temperature

Humidity

Altitude

Weight (KG)

Dimension (W*D*H)(mm)

STANDARDS

Related Directives

Related Standards

NTPR1K	NTPR2K	NTPR3K	NTPR6K	NTPR10K
1KVA/0.8KW	2KVA/1.6KW	3KVA/2.4KW	6KVA/4.8KW	10KVA/8KW
115~295VAC 176~297VAC				
50HZ (46~54Hz)/60HZ (56-64HZ)				
0~100%, 5sec				
0.98				
220/230/240VAC (customizable: 110/120/127VAC)				
±2%				
50/60Hz ± 0.05Hz				
0.8				
Linear load<3%; Non-linear load<6%				
110%~150%, for 30 seconds later, transfer to bypass; >150%, for 200ms later, transfer to bypass; When load is normal, it can automatically transfer to normal mode.				
3:1				
0ms (line to inverter)				
36VDC	72VDC	96VDC	192VDC	192VDC
4A/8A (optional)				
Optional (Battery type and capacity choose by customer)				
LCD+LED				
RS232, SNMP card (optional), Dry contact (optional)				
IP55				
50dB (1m away)				
Fan scheme: Working temperature 0-40°C; Air conditioning scheme: working temperature 0-60°C (heater optional)				
0~95% (Non-condensing)				
1500m				
85	125	125	125	155
613*640*954	650*753*1227		940*940*1770	
2014/35/EU Low Voltage Directive /Annex III 2014/30/EU Electromagnetic Compatibility Directive /Annex II				
EN IEC 62040-1:2019+A11:2021, EN IEC 62368-1:2020+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021 EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021 LVD: EN IEC 62040-1:2019+A11:2021 EN IEC 62368-1:2020+A11:2020				

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Outdoor seriesOnline UPS 1kVA~10 kVA



Optional: Outdoor Cabinet

1. Marine-grade Stainless Steel: Offers superior resistance to corrosion, making it ideal for saltwater environments.
2. SS316 Material with 1.2 mm thickness outer cabinet and internal frames to improve rigidity are 2 mm thickness.
3. Marine-grade outdoor UPS systems are engineered to deliver reliable, uninterrupted power in harsh maritime and offshore environments. These systems are designed to withstand extreme conditions such as high humidity, salt water exposure.



Ordering Information

NTPR1K-03	Netcon Standard Series Outdoor UPS with, 1 KVA Ups and door cooling air-condition unit of 300W capacity
NTPR2K-06	Netcon Standard Series Outdoor UPS with, 2 KVA Ups and door cooling air-condition unit of 600W capacity
NTPR3K-06	Netcon Standard Series Outdoor UPS with, 3 KVA Ups and door cooling air-condition unit of 600W capacity
NTPR6K-06	Netcon Standard Series Outdoor UPS with, 6 KVA Ups and door cooling air-condition unit of 1000W capacity
NTPR6K-10	Netcon Standard Series Outdoor UPS with, 10 KVA Ups and door cooling air-condition unit of 1000W capacity

Note:

NTPR1K - 03: NTPR - Standard Outdoor Series, 1K - UPS Rating, 03 - 300W / 06-600W / 10 - 1000W / 20 - 2000W / 30 - 3000W / 40 - 4000W Cooling Capacity.

NTMR - Marine Grade Outdoor Series

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