

Smart UPS-Series 3

1: 1Phase PF0.9 (PF1.0 optional)

Power Range: 1 KVA~3 KVA

NODEXON UPS offers guaranteed power and surge protection for the connected equipment and devices suitable for Business and commercial purposes.

Our UPS ranges are available in 'Tower' or 'Rack mount type' to suit your applications, and together with a variety of standard features, they are the perfect choice to protect your data and keep you connected all the way.



NODEXON

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NODEXON S3 Series Online Double-conversion 1:1 Phase smart UPS



OVERVIEW

NODEXON S3 Series Online UPS delivers reliable and continuous power protection for critical equipment and sensitive applications. Featuring true double-conversion technology, DSP control, and a pure sine wave output, it ensures stable and clean power. Its rack/tower convertible design offers flexible installation for telecom, finance, medical, transportation, and data center environments.

With high efficiency, a wide input voltage range, and a power factor greater than 0.99, it helps improve energy savings and performance. Available in 1kVA, 2kVA, and 3kVA capacities to meet a variety of power protection requirements.

FEATURES & BENEFITS

- › Rack / Tower convertible design
- › Online double conversion with full digital control
- › Wide input voltage range: 110~300Vac
- › Input power factor 0.9 with PFC
- › Selectable output voltage: 208 / 220 / 230 / 240Vac.
- › Smart charger design for optimized battery performance
- › Maximum charging current can be expanded to 12A (Long run unit)
- › Emergency power off function (EPO)
- › ECO mode operation for energy saving
- › Generator compatible
- › Hot-Swappable battery design
- › Intelligent fan speed regulation



Wide input
Range



Power
Factor



Double
Conversion



Rack /
Tower



IFR



Hot
Swappable



Selectable
Output



ECO



Interface
(Optional)

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SUSTAINABILITY



About Our Commitment

At Nodexon, sustainability is integrated into every aspect of our operations. Our Corporate Social Responsibility (CSR) framework focuses on environmental protection, ethical business practices, and long-term value creation for customers, stakeholders, and society.

Responsible Business Ecosystem

Nodexon operates with integrity across its entire value chain.
Ethical and transparent operations; responsible supplier engagement.
Strong customer and partner relationships.
Compliance with environmental and industry standards.



People First

Our people are our strength.
A safe and healthy workplace.
Inclusive and respectful culture, employee development and training, strong stakeholder engagement

Environmental Responsibility

Nodexon actively works to minimise environmental impact by.
Reducing energy consumption and emissions.
Optimising material and resource use.
Implementing sustainable manufacturing



Digitalisation

Smart digital practices support sustainability.
Digital documentation to reduce paper use. Easy access via mobile and desktop.
Performance monitoring and preventive diagnostics
Extended product life and reliability

Energy Efficiency & Eco-Design

Nodexon's R&D focuses on high-efficiency UPS solutions:
High performance with minimal energy loss
Reduced carbon footprint. Easy maintenance and repair
Modular design for component separation. Longer product life cycle



Environmental Transparency (EPD / PEP)

For each product family, Nodexon provides: Environmental Product Declaration (EPD) Product Environmental Profile (PEP). In compliance with ISO 14025, based on Life Cycle Assessment (LCA) covering the entire product life cycle-from design and material selection to end-of-life management.

NODEXON S3 Series

Online Double-conversion 1:1 Phase smart UPS



Technical Specifications

MODEL	NX-03-01RT-IN	NX-03-01RT-EX	NX-03-02RT-IN	NX-03-02RT-EX	NX-03-03RT-IN	NX-03-03RT-EX
Capacity	1000VA / 900W		2000VA / 1800W		3000VA / 2700W	

INPUT

Nominal voltage	208/220/230/240Vac					
Input voltage range	110~300Vac (176~280Vac @ 100% load)					
Power factor	≥0.9					

OUTPUT

Output voltage		208/220/230/240Vac
Voltage regulation		±1%
Power factor		0.9
Output frequency	Line mode	46~54Hz or 56~64Hz
	Bat. mode	(50/60±0.1%)Hz
Crest factor		3:1
Harmonic distortion (THDv)		≤3% Linear load
		≤5% None linear load
Transfer time	AC mode to Bat.mode	0ms
	Inverter to Bypass	4 ms (Typical)
Output waveform		Pure Sinewave

EFFICIENCY

AC mode	89%				91%				92%			
Battery mode	85%				87%				88%			
Battery number	2	3	2	3	4	6	4	6	6	8	6	
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)											
Typical recharging time	4 hours (to 90% of full capacity)											
Charging voltage	27.4Vdc±1%	41.1Vdc±1%	27.4Vdc±1%	41.1Vdc±1%	54.8Vdc±1%	82.2Vdc±1%	54.8Vdc±1%	82.2Vdc±1%	82.2Vdc±1%	109.6Vdc±1%	82.2Vdc±1%	
Charging current (Max.)	6A/12A		1A		6A/12A		1A		6A/12A		1A	
LED Display	Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault											
LCD Display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time											

ALARM

Battery mode	Beeping every 4 seconds
Battery low	Beeping every second
Overload	Beeping twice every second
Fault	Continuously beeping

PHYSICAL

Dimension W x D x H (mm)	208/220/230/240Vac		440 x 460 x 86.5	440 x 600 x 86.5	440 x 460 x 86.5	440 x 600 x 86.5		
Net weight (kg)	5.6	11.3	14	10.5	19.5	25	11	26

ENVIRONMENT

Operating temperature	0 C~40 C
Storage temperature	-25 C~55 C
Humidity range	20~95%RH @ 0~40C (Non condensing)
Altitude	<1500m,derating required when>1500m
Noise level	<50dB at 1 Meter

STANDARDS

Safety	IEC/EN62040-1,IEC/EN62477-1
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8

Customer service and support

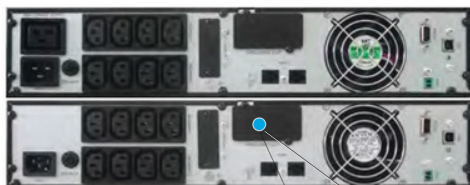
Warranty	3 years on electronics, 1, years on batteries
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Specifications are subject to change without prior notice.

When output voltage is 208Vac,need to derate to 80% of the unit capacity.

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Optional socket



Relay cardSNMP



Colourful LCD



Battery cabinet
(Optional)



Optimized battery
configuration
7Ah / 9Ah (12V)

ORDERING INFORMATION

Rack / Tower - 1P - 1 - 3KVA Internal UPS

NX-03-01RT-IN	Smart UPS-Series 3 - Single phase 1KVA Rack / Tower type online UPS, 0.9PF with 12V, 9Ah internal battery
NX-03-02RT-IN	Smart UPS-Series 3 - Single phase 2KVA Rack / Tower type online UPS, 0.9PF with 12V, 9Ah internal battery
NX-03-03RT-IN	Smart UPS-Series 3 - Single phase 3KVA Rack /Tower type online UPS, 0.9PF with 12V, 9Ah internal battery

Rack / Tower - 1P - 1 - 3KVA External UPS

NX-03-01RT-EX	Smart UPS-Series 3 - Single phase 1KVA Rack / Tower type online UPS, 0.9PF with external battery pack
NX-03-02RT-EX	Smart UPS-Series 3 - Single phase 2KVA Rack / tower type online UPS, 0.9PF with external battery pack
NX-03-03RT-EX	Smart UPS-Series 3 - Single phase 3KVA Rack tower type online UPS, 0.9PF with external battery pack

