

Compact UPS-Series III

1:1 Phase PF 0.9 (PF 0.8 optional)

Power range: 6kVA~10kVA



Wide input
Range

Power
Factor

Double
Conversion

Long
Back-up

IFR

EPO

Selectable
Output

ECO

Interface
(optional)

Netcon UPS offers guaranteed power and surge protection for the connected Equipments and devices suitable for Business and Commercial purpose.

Our Online UPS supply seamless backup power during outages and unsafe voltage fluctuations, as well as provide protection from surges and spikes. 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.

Features:

- | Online double conversion with full digital control
- | Optimization battery group, the quantity of battery: 16 / 18 / 20 pcs (Settable)
- | Wide input voltage range: 110~286Vac
- | Input power factor 0.9 with PFC
- | Wide input frequency range
- | Selectable output voltage: 208 / 220 / 230 / 240Vac
- | Generator compatible
- | ECO mode operation for energy saving
- | Self-testing when UPS startup
- | Multiple communication interface: RS232 / USB / EPO (Relay card / SNMP card optional)
- | Cold start
- | Design with maintenance switch (Optional)
- | Intelligent fan speed regulation
- | Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm

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Technical Specifications:

MODEL		NTCS3EXT106 -TY	NTCS3INT106 -TY	NTCS3EXT110 -TY	NTCS3INT110 -TY
Capacity		6000VA / 5400W		10000VA / 9000W	
INPUT					
Nominal voltage		208 / 220 / 230 / 240Vac			
Input voltage range		110 / 286Vac			
Power factor		≥0.99			
Bypass voltage range		Max.voltage: 230~264Vac Min.voltage: 176~220Vac			
FREQUENCY					
Frequency range		40~70Hz (50/60Hz Auto-Sensing)			
OUTPUT					
Output voltage		208/220/230/240Vac			
Voltage regulation		±1%			
Power factor		0.9			
Output frequency	Line mode	±10% of the rated frequency			
	Bat. mode	(50 / 60 ± 0.1%) Hz			
Crest factor		3:1			
Harmonic distortion (THDv)		≤2% Linear load ≤5% Non linear load			
Transfer time	AC mode to Bat.mode	0 ms			
	Inverter to Bypass	5 ms (Typical)			
Output waveform		Pure Sinewave			
Overload	Line mode	Load≤105% long time running; ≤125% last 10min; ≤130% last 30s; >130% turn to bypass mode immediately			
	Bypass mode	40A (Breaker)		63A (Breaker)	
Efficiency		93.5%			
BATTERY					
Battery voltage		192/216/240Vdc (Settable), without neutral	240Vdc	192/216/240Vdc (Settable), without neutral	240Vdc
Capacity (Standard unit)		9Ah /12V (7Ah/12V optional)			
Typical recharging time		6~8 hours (to 90% of full capacity)			
Charging current		1A (Standard unit); Long run unit Max.current 8A (Charging current can be set according to battery capacity)			
INDICATORS					
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		H:191 x 460 x 337 ; S:191 x 460 x 720 (With wheel)			
Dimension W x D x H (mm)		H:191 x 460 x 337 ; S:191 x 460 x 720 (With wheel)			
Net weight (kg)		12	69.5	13.5	71
ENVIRONMENT					
Operating temperature		0°C~40°C			
Storage temperature		-25°C~55°C			
Humidity range		20~95% RH @ 0~40°C (Non condensing)			
Altitude		<1500m, derating required when>1500m			
Noise level		<55dB at 1 Meter		<58dB 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			

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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Relay card

SNMP



Gray LCD



Battery cabinet
(Optional)



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

ORDERING INFORMATION

Tower - 1P - 6-10 KVA Internal UPS	
NTCS3INT106 -TY	Compact UPS-Series III-Single phase 6KVA Rack type online UPS, 0.9PF with Internal battery pack
NTCS3INT110 -TY	Compact UPS-Series III-Single phase 10KVA Rack type online UPS, 0.9PF with Internal battery pack

Tower - 1P - 6-10 KVA External UPS	
NTCS3EXT106 -TY	Compact UPS-Series III-Single phase 6KVA Rack type online UPS, 0.9PF with external battery pack
NTCS3EXT110 -TY	Compact UPS-Series III-Single phase 10KVA Rack type online UPS, 0.9PF with external battery pack

