

Compact UPS-Series III

1:1 Phase PF 0.9 (PF 0.8/1.0 optional)

Power range: 1KVA~3KVA



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:

- | High power density
- | Online double conversion with full digital control
- | Wide input voltage range: 110~300 Vac
- | Input power factor 0.9 with PFC
- | Selectable output voltage: 208 / 220 / 230 / 240 Vac
- | 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
- | Cold start
- | Intelligent fan speed regulation
- | Load segment settable (Optional)
- | Versatile LCD human-computer interface
- | Multiple communication interface: RS232 (USB / EPO / Relay card / SNMP card optional)
- | Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm

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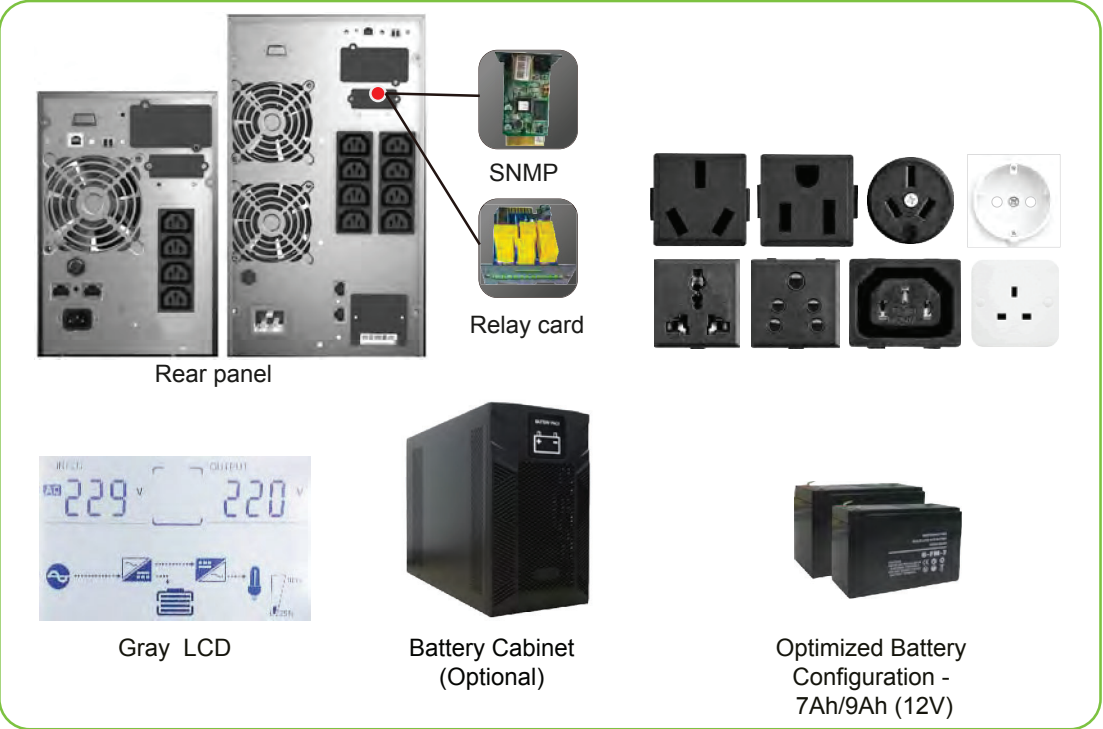
Technical Specifications:

MODEL		NTCS3EXT101-TY		NTCS3INT101-TY		NTCS3EXT102-TY		NTCS3INT102-TY		NTCS3EXT103-TY		NTCS3INT103-TY	
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		≥0.99											
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	46~54Hz or 56~64Hz											
	Bat. mode	(50/60±0.1%)Hz											
Crest factor		3:1											
Harmonic distortion (THDv)		≤3% Linear load ≤5% Non linear load											
Transfer time	AC mode to Bat.mode	0ms											
	Inverter to Bypass	4ms (Typical)											
Output waveform		Pure Sinewave											
EFFICIENCY													
AC mode		88%				90%				91%			
Battery mode		85%				87%				88%			
BATTERY													
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	
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													
Dimension W x D x H (mm)		144 x 293 x 209		144 x 399 x 209		191 x 460 x 337							
Net weight (kg)		4.1		9.3	12.5	10	19.5	24.5	10		24.5		
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		<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											

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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ORDERING INFORMATION

Tower - 1P - 1 - 3KVA Internal UPS	
NTCS3INT101-TY	Compact UPS-Series III-Single phase 1KVA Tower type online UPS, 0.9PF with 12V, 9Ah internal battery
NTCS3INT102-TY	Compact UPS-Series III-Single phase 2KVA Tower type online UPS, 0.9PF with 12V, 9Ah internal battery
NTCS3INT103-TY	Compact UPS-Series III-Single phase 3KVA Tower type online UPS, 0.9PF with 12V, 9Ah internal battery

Tower - 1P - 1 - 3KVA External UPS	
NTCS3EXT101-TY	Compact UPS-Series III-Single phase 1KVA Tower type online UPS, 0.9PF with external battery pack
NTCS3EXT102-TY	Compact UPS-Series III-Single phase 2KVA Tower type online UPS, 0.9PF with external battery pack
NTCS3EXT103-TY	Compact UPS-Series III-Single phase 3KVA Tower type online UPS, 0.9PF with external battery pack

