

Compact UPS-Series III

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

Power range: 1KVA~3KVA



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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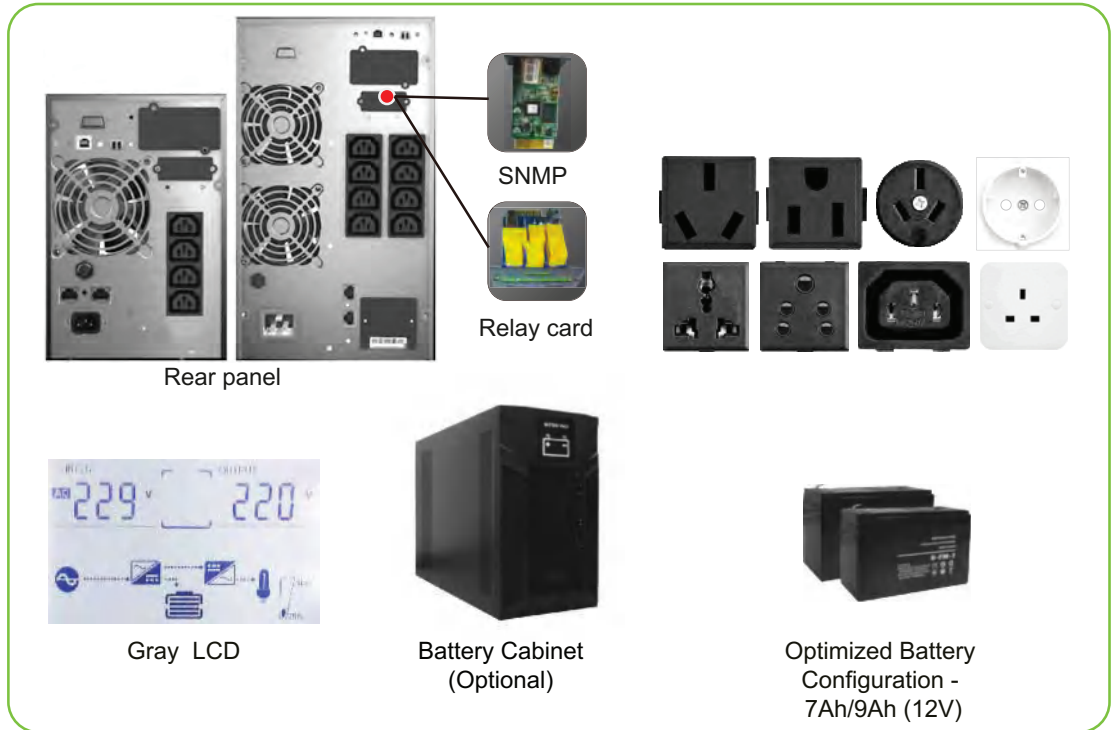
Technical Specifications:

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	46~54Hz or 56~64Hz (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 Inverter to Bypass										
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
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



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