

NCTS-QSTROM PRO 10kVA / 9kW

Online double conversion 3Phase with DSP control UPS

NCTS-QSTROM PRO 10K3920

GTIN 6295151550335

Features

- High power density design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with DSP control
- Input current harmonic: < 3%
- Wide input voltage range: 208-478Vac
- Wide input frequency range 40-70Hz
- Optimization battery group, the quantity of battery
10-30KVA: 16/18/20pcs (30-50pcs supportable)
40KVA: 30-50pcs
- Maximum charging current up to 20A (Settable)
- Dual input source (Optional for standard unit)
- Colorful 2.4 inch TFT LCD display and 7 inch LCD display LCD are optional
- Versatile LCD human-computer interface
- Generator compatible
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Cold start
- + The output can meet 100% unbalanced load
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Multiple communication interface: USB, RS232, RS485, Parallel port, Dry contact, Intelligent slot, SNMP card (Optional), Relay card (Optional), Battery temperature sensor (Optional)



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Technical Specifications

Model: NCTS-QSTROM PRO 10K3920

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Capacity		10kVA / 9KW	
INPUT			
Nominal voltage		380/400/415Vac (3Ph+N+PE)	
Operating voltage range		305-478Vac (Full load); 208-478Vac (50% load)	
Operating frequency range		40 -70Hz (50/60Hz Auto-Sensing)	
Power factor		≥0.99	
Bypass voltage range		Max.voltage: 220V: + 25% (Optional + 10%, + 15%, +20%)	
		230V: +20% (Optional + 10%, + 15%)	
		240V: + 15% (Optional + 10%)	
		Min.voltage: - 45% (Optional - 20%, - 30%)	
Frequency protection range		50/60Hz + 10%	
ECO range		Same as bypass	
Harmonic distortion (THDi)		≤3% Linear load	
OUTPUT			
Output voltage		380/400/415Vac (3Ph+N+PE)	
Voltage regulation		+1%	
Power factor		0.9	
Output frequency	Line mode	+1%/+2%/+4%/+5%/+10% of the rated frequency (Optional)	
	Bat. mode	50/60 (+ 0.1%)Hz	
Transfer time	AC mode to Bat.mode	0ms	
	Inverter to Bypass	0ms	
Output waveform		Pure Sinewave	
Crest factor		3:1	
Harmonic distortion (THDv)		≤2% Linear load	
		≤5% Non linear load	
Overload	AC mode	≤110% 60min, < 125% 10min, ≤ 150% 1min, > 150% immediately turn to bypass	
	Bat.mode	≤110% 10min, ≤125% 1min, ≤150% 5s, > 150% immediately shut down	
EFFICIENCY			
Efficiency		Up to 93.5%	
BATTERY			
Battery voltage	Standard unit	± 120Vdc 20pcs 12V/9Ah batteries, (1*20pcs)	
Charge Current	Standard unit	1.35A (2.7A Optional)	
PHYSICAL			
Dimension W×D×H	Standard unit	250×900×868mm	
Net weight	Standard unit	129kg	
ENVIRONMENTAL			
Operating temperature		0~40°C	
Storage temperature		-25-55°C (No battery)	
Humidity range		0-95% (Non condensing)	
Altitude		<1500m, derating required when>1500m	
Noise level		<55dB	
STANDARDS			
Safety		IEC/EN 62040-1, IEC/EN 62477-1	
EMC		IEC/EN 62040-2, (IEC61000-4-2, IEC 61000-4-3, IEC 61000-44, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-)	

1. Specifications are subject to change without prior notice

2. Data above are typical values for reference only, not as a basis for engineering design

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