

NCTS-QSTROM PRO 30kVA / 27kW

Online double conversion 3Phase with DSP control UPS

NCTS-QSTROM PRO 30K3960

GTIN 6295151550359

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 30K3960

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Capacity		30kVA / 27KW
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 94.5%
BATTERY		
Battery voltage	Standard unit	± 120Vdc 60pcs 12V/9Ah batteries, (3*20pcs)
Charge Current	Standard unit	4.05A
PHYSICAL		
Dimension W×D×H	Standard unit	250×900×868mm
Net weight	Standard unit	236kg
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		<61dB
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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