

NCT

10 kVA - 160 kVA

- Input voltage 380Vac ± 20% (Three phase + N + G)
- Output voltage 380Vac ± 1% (Three phase + N + G)
- Zero transfer time
- Pure sine wave
- Harmonic Distortion less than 3% at linear load

3 PHASE INPUT/OUTPUT ONLINE UPS WITH BUILT-IN PARALLEL FEATURE

- True On-line Double Conversion
- Advanced DSP (Digital Signal processor) technology and make UPS more reliable
- Flexible parallel technology applies to kinds of loaded system, like stand-alone, 1+1, N+1
- High efficiency, more than 98% (use the ECO work pattern)
- System has passed tests for short circuit and 2kVA high voltage insulation.
- Isolation with output transformer reducing the direct interference of waveform current and city electricity
- 6-pulse or 12-pulse (option) adjust the input power factors effectively and restrain power supply pollution from UPS
- Quick response, precise, credible and steady.
- Big touch screen LCD with UPS work stimulation flow chart Thai/English display
- Powerful intelligent monitoring function, providing RS232 or RS422, connecting points and parallel ports.
- SNMP/HTTP monitor capability (option)
- For many applications such as bank, securities, communication engineering, transportation & industrial automation, etc.



Stand-Alone



Parallel 1+1

Ready for
future parallel
configuration



Parallel n+1



SPECIFICATIONS

MODEL		NCT-103	NCT-153	NCT-203	NCT-303	NCT-403	NCT-603	NCT-803	NCT-104	NCT-124	NCT-144	NCT-164	
CAPACITY	VA	10 kVA	15 kVA	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA	100 kVA	120 kVA	140 kVA	160 kVA	
PRINCIPLE		On-line supply power and bypass switcher. No transfer time. Output power is seperated totally.											
INPUT	Voltage	380 Vac ± 20% (Three phase + N + G)											
	Frequency	50 Hz ± 10%											
	Maximum current	25	33	40	56	71	102	133	164	195	240	295	
	Power factor	0.8, (0.95 (with filter) (option))											
	Soft start	0 - 100% 5 seconds											
BYPASS INPUT	Voltage	380 Vac ± 15% (Three phase + N + G)											
	Frequency	50 Hz ± 2%											
	Transfer time	(overload) 0 ms.											
DC SYSTEM	DC voltage	384 V					396 V			408 V			
	FCV	432 V					446 V			459 V			
	End voltage	336 V					347 V			357 V			
	Maximum discharge current	25	38	51	76	101	152	203	253	304	360	450	
	Charge current	10 - 25 (adjustable)											
OUTPUT	Voltage	380 VAC ± 1% (stable load) (Three phase + N + G)											
	Frequency	50 Hz ± 5% (AC); 50 Hz ± 0.5% (Battery)											
	Power factor	0.8 lagging											
	Wave form	pure sine wave											
	Total harmonic distortion	< 3% at linear load, < 5% at un-linear load											
	Dynamic respond range	± 5% (from 0 to 100%)											
	Dynamic respond time	<10 ms. (± 5%)											
	Unbalance time	< ± 3% < ± 1% (balance voltage with load)											
	Overload capability	125% for 10 min., 150% for 1 min.											
EFFICIENCY		>91%, (>95%, ECO)											
COMMUNICATION	RS232/RS422	yes											
	SNMP/HTTP capability	option											
ACOUSTIC NOISE	At 1 metre	50 dBA	55 dBA	63 dBA	65 dBA	68							
ENVIRONMENT	Temperature	0°C to 40°C											
	Humidity	0 - 90% (non-condensing)											
PHYSICAL DIMENSIONS	(W x H x D) (cm)	56 x 140 x 80				95 x 180 x 85				120 x 180 x 90			
WEIGHT	in kg.	210	258	350	400	480	650	900	1100	1300	1350	1480	

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.

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