



NT Series

Uninterruptible Power Supply 10-500KVA

Features

- Power Rating: 10–500 KVA. Double conversion and IGBT technology.
- N+X parallel redundancy (Up to 8 units) increasing reliability.
- Easy parallel link without extra hardware needed to expand the system capacity.
- Economic mode for energy and operation cost savings.
- Built-in SRAM, recording maximum 500 real-time event logs.
- Redundant auxiliary power and control circuit to guarantee the reliability.
- Smart battery management to ensure high availability.
- Intelligent multi-speed cooling fan control.
- Local and remote emergency power off function.
- Compatible with generator installation and unbalanced load.
- User-friendly LCD display and mimic status LED indicators.
- RS232/RS485/SNMP connectivity with Vista compatible power management software.
- Optional 12-pulse rectifier or filter for lower harmonic distortion.
Reductions in pollution back feed into upstream power system.
- Possibility for shared battery source enabling cost savings.
- Extended battery cabinet is available to get the desired backup time.

Applications

- Data/Call Center
- Telecommunications
- Medical
- Security
- Semiconductor
- Chemical



Technical Specifications

Model		NT10	NT15	NT20	NT30	NT40	NT50	NT60	NT80	NT100	NT120	NT160	NT200	NT260	NT320	NT400	NT500		
Power Rating - kVA		10	15	20	30	40	50	60	80	100	120	160	200	260	320	400	500		
Power Rating - kW		8	12	16	24	32	40	48	64	80	96	128	160	208	256	320	400		
Input	Rating Voltage	V 380 / 220, 400 / 230, 415 / 240, 480/277, 208/120 (3phase, 4-wire plus ground)																	
	Voltage Range	±20																	
	Input Current Harmonic Distortion	% < 3 (with optional rectifier or filter, full load)																	
	Frequency	Hz 50 or 60 ± 5 %																	
Output	Voltage	V 380 / 220, 400 / 230, 415 / 240, 480/277, 208/120 (3phase, 4-wire plus ground) 220, 230, 240 (1phase, 2-wire plus ground) *																	
	Voltage Harmonic	% ≤ 3 (linear load)																	
	Voltage Regulation	Static	% ±1																
		Dynamic	% ±5																
	Frequency	Hz 50 or 60																	
	Frequency Regulation	%	±0.01 (interior oscillator)																
		%	±1 (synchronized)																
Overload	≤ 110% : 60minutes ; 110~125% : 10minutes ; 126~150% : 1minute																		
Display	LED	AC mains normal, Reserve source normal, Rectifier, Inverter, Static switch, Battery status																	
	LCD	Input, Bypass, Inverter, Output and battery voltage, Current and frequency, Load level, Abnormal message																	
Interface	Standard	RS232 x 1, RS485 x 1, SNMP Slot x 1, Status dry contact output x 6																	
	Optional Accessories	SNMP card, Modbus card, Relay I/O control card, Environmental monitoring box, SNMP+5 ports Hub, Remote panel																	
Others	Parallel Redundancy	Up to 8 units																	
	Emergency Power Off	Local and remote																	
	Multi-Speed Fan Control	10 Levels																	
	SRAM Event Log	500 Records																	
	Parameter Configuration	Yes																	
	Battery Start	Yes (option)																	
	Input Harmonic Improvement	Optional harmonic filter and 12-pulse rectifier																	
Overall	Efficiency	Economic	%								%								
		Normal	90	90	90	91	91	91.5	91.5	92	92	92.5	92.5	93					
	Transfer Time	ms 0																	
	Temperature	°C 0~40																	
	Relative Humidity	% 90 (non-condensing)																	
	Noise (at 1.5 meters)	dBA ≤ 60				≤ 65				≤ 68				≤ 72				≤ 77	
	Dimension ** (Rating 380/220Vac)	Width	mm 600				800				1200				1600				1900
		Depth	mm 800				830				830				995				995
		Height	mm 1400				1700				1700				1950				1950
	Weight (Rating 380/220Vac)***	kg	335	335	365	365	425	460	506	525	700	745	1050	1085	1680	1720	1920	2400	

* Single phase output voltage: 220/230/240 is only ordered for 10~120KVA models.
 ** Standard rating is 380/220Vac. For models : (1) different rating (2) with 12 pulse rectifier or filter, dimension and weight would be different from standard models. Please contact your local supplier for more information.
 *** 500KVA model is assembled by two cabinets: Inverter (1100mm, 1700kg) and Rectifier (800mm, 700kg).
 All specifications are subject to change without prior notice.

NT Series10-500KVA



Friendly LED +LCD Display



Power Management Software

< UPSentry Smart 2000 >



Compatible OS

- Microsoft
 - 9X/2000/2003/XP/Vista
- Linux
 - RedHat
 - Open Linux
 - SUSE
- FreeBSD
- Sun
 - Solaris Sparc
 - Solaris X86
- HP
 - HP-UX
- IBM
 - AIX
- Apple
 - MacOSX
- SCO
 - OpenServer