



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	%	> 97				> 97.5											
		Normal	%	90	90	90	91	91	91.5	91.5	92	92	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