

NT series

Three phase 20-500KVA

Uninterruptible Power Supply

The NT series is a three phase UPS featuring customized I/P-O/P ratings for various applications. With N+X parallel redundancy or expansion, it guarantees the highest availability and reliability for your business.

The NT series offers continued seamless protection for your business even under 100% unbalanced loading conditions. Its economy mode improves efficiency by 4%~7% and saves on operation costs.



Availability

- Available from 20 to 4000kVA (8x500kVA in parallel).
- Parallel redundancy without requiring extra hardware to increase reliability.
- Optional harmonic filter and 12-pulse rectifier.
- Redundant auxiliary power and control circuit ensures higher reliability.
- Built-in maintenance and static bypass switch.

Flexibility

- Multi-language LCD display.
- RS232, RS485 and six programmable dry contact outputs.
- Compatible with generator installation and unbalanced loads.
- Optional extended battery cabinet for longer backup time.

Lowest Total Cost Of Ownership

- Parallel expansion as your business grows. Savings in initial investment.
- Wide input voltage range extends battery life.
- Economy mode saves energy and operation costs.
- Shared battery allows cost savings.



Data Center



Telecom



Industry



Network



Security



Labs



Medical



Metro



500kVA Model

NT series

Three phase 20-500KVA

Technical Specifications

Model		NT20	NT30	NT40	NT50	NT60	NT80	NT100	NT120	NT160	NT200	NT260	NT320	NT400	NT500	
Power Rating - kVA		20	30	40	50	60	80	100	120	160	200	260	320	400	500	
Power Rating - kW		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 (3 phase, 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 (3 phase, 4-wire plus ground) 220, 230, 240 (1phase, 2-wire plus ground) *														
	Voltage Harmonic	% □ 3 (linear load)														
	Voltage Regulation	± 1 (static)														
	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, EnviroProbe, SNMP+5 ports Hub, Remote panel														
Others	Parallel Redundancy	Up to 8 units														
	Emergency Power Off	Local and remote														
	SRAM Event Log	500 Records														
	Battery Start	Yes (option)														
	Input Harmonic Improvement	Optional harmonic filter and 12-pulse rectifier														
Overall	Efficiency	Economic	%			> 97										
		Normal	90	91	91	91.5	91.5	92	92	92.5		93				
	Temperature	°C	0~40													
	Relative Humidity	%	90 (non-condensing)													
	Noise (at 1.5 meters)	dBA	≤ 60			≤ 65			≤ 68		≤ 72		≤ 77			
	Dimensions ** (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	365	365	425	460	506	525	700	745	1050	1085	1680	1720	1920	2400	



Control and LCD Display Panel



Harmonic Filter



Power Management Software

* Single phase output voltage: 220/230/240 is only for 20~120KVA models.

** Standard rating is 380/220Vac. For models : (1) different rating (2) with 12 pulse rectifier or filter, dimensions and weight would be different from standard models. Please contact your local supplier for more information.

*** The 500kVA model is assembled into two cabinets: Inverter (1100mm, 1700kg) and Rectifier (800mm, 700kg).

All specifications are subject to change without prior notice.



Delta offers full-scale UPS solutions from 0.6kVA to 4000kVA to fulfill all your power security needs.

