

# Ultr<sup>o</sup>n NT Series

Three Phase 20-4000 kVA

## Uninterruptible Power Supply

The Ultr<sup>o</sup>n NT series is a True Online double-conversion three phase UPS using IGBT and featuring customized input / output configuration for various applications. With N+X parallel capability for redundancy or capacity expansion, it guarantees high availability and reliability for your business.

The Ultr<sup>o</sup>n NT series offers continued and seamless protection for your equipment even under 100% unbalanced loading conditions. The economy mode further improves efficiency by 4% to 7% and saves on operational cost.



### Availability

- Available from 20 to 4000 kVA (8 x 500 kVA 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.
- Built-in galvanic isolation transformer at output of UPS.

### Flexibility

- Multi-language LC Display.
- RS232, RS485 and six programmable dry contact outputs as connectivity option
- Compatible with generator installation and unbalanced loads.
- Optional external battery cabinet for longer backup time.
- Option of temperature compensated battery charging.
- Front access and modular construction for ease of maintenance.

### Low 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 operational cost.
- Shared battery allows cost savings.
- Wide input frequency tolerance.



Data Center



Telecom



Industrial



Network



Security



Lab



Medical



Metro



500 kVA Model



# Ultr<sup>o</sup>n NT Series

## Three Phase 20-4000 kVA

### Technical Specification

Model		NT 20	NT 30	NT 40	NT 50	NT 60	NT 80	NT 100	NT 120	NT 160	NT 200	NT 260	NT 320	NT 400	NT 500			
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	Nominal Voltage	380/220, 400/230, 415/240, Vac ( 3 Phase, 4-Wire plus ground)																
	Voltage Range	± 20%																
	Current Harmonic Distortion	< 3% (With optional rectifier or filter, full load )																
	Frequency	50 or 60 Hz ± 5%																
Output	Voltage	380/220, 400/230, 415/240, Vac (3 phase, 4-Wire plus ground) 220, 230, 240 Vac (1 phase, 2- Wire plus ground)*																
	Voltage Harmonic Distortion	≤ 3% (linear load)																
	Voltage Regulation	± 1% (Static)																
	Frequency	50 or 60 Hz																
	Frequency Regulation	± 0.01% (interior oscillator); ± 1% (synchronized)																
	Overload Capability	≤ 110%: 60 minutes; 110~125%: 10 minutes; 126~150%: 1 minute																
	Waveform	Pure Sine Wave																
	Crest Factor	3:1																
	Output Voltage Dynamic Regulation	± 5% (For 0~100% Load Variations)																
	Voltage Symmetry with 100% Unbalanced Load	± 1%																
Display	LED	AC mains normal, Reserve source normal, Rectifier, Inverter, Static switch, Battery Status																
	LC Display	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																
	Management Peripherals	SNMP card, Modbus card, Relay I/O control card, Enviroprove, SNMP + 5 ports hub, Remote panel																
Others	Parallel Redundancy	Up to 8 units																
	Emergency Power Off	Local and remote																
	SRAM Event Log	500 record																
	Battery Start	Possible																
Overall	Efficiency	Online mode	%	90	91	91.5	92	92.5				93						
		ECO mode**	%	>97.5														
	Temperature	0~40° c																
	Relative Humidity	90% (non-condensing)																
	Audible Noise (at 1.5 meters)	dbA	≤60			≤65			≤68			≤72			≤77			
		Dimensions*** (Rating 380/220 Vac)	Width	600			800			1200			1600			1900		
			Depth	800			830			830			995			995		
	Height	1400			1700			1700			1950			1950				
		Weight (Rating 380/220 Vac)****	kg	365	365	425	460	506	525	700	745	1050	1085	1680	1720	1920	2410	



Control and LC Display Panel



Harmonic Filter



Power Management Software

\* Single phase output model available up to 60kVA rating with voltage rating of 220/230/240 Vac. Higher rating available on request.  
 \*\* ECO mode operation of UPS is application specific. Please consult Delta representative/FAE for more details.  
 \*\*\* For models: With 12 pulse rectifier or in-built filter, dimensions and weight would be different from standard models.  
 \*\*\*\* For 500kVA rating, UPS is assembled into two cabinets: Inverter (width=1100 mm, 1760 kg) and Rectifier (width=800 mm, 650 kg).

All specifications are subject to change without prior notice.



2007~2008  
Forbes Asia's  
Fabulous 50



2009 Frost & Sullivan  
Green Excellence  
Award for Corporate  
Leadership



ISO 9001:2008



OHSAS 18001:2007



ISO 14001:2004



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

