

The power behind competitiveness

# Delta UPS–Ultron Family

NT Series, Three Phase

20kVA - 4000kVA

## Enterprise power customized for greatest reliability

The Ultron 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 high availability and reliability for your critical loads.

The Ultron NT series offers continued seamless protection for your business even under 100% unbalanced loading conditions. Its economy mode improves efficiency by 4% to 7% and saves operating cost.

### Availability

- Available from 20 to 4,000 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.
- Inbuilt maintenance and static bypass switch.

### Flexibility

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

### Low Total Cost Of Ownership

- Parallel expansion as your business grows and consequently saves initial investment.
- Wide input voltage range extends battery lifetime.
- Economy mode saves energy and operating cost.
- Common battery installation saves initial investment.



Data Center



Telecom



Industrial



Network



Security



Lab



Medical



Metro



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Technical Specifications															
Model	NT-20K 30K 40K 50K 60K 80K 100K 120K 160K 200K 260K 320K 400K 500K														
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	208/120, 380/220, 400/230, 415/240, 480/277 Vac (3 phase, 4-wire + G)													
	Voltage Range	± 20%													
	Current Harmonic Distortion	< 3% (with optional rectifier or filter, full load)													
	Frequency	50 or 60 Hz ± 5Hz													
Output	Voltage	208/120, 380/220, 400/230, 415/240, 480/277 Vac (3 phase, 4-wire + G) 220, 230, 240 Vac (1 phase, 2-wire + G) *													
	Voltage Harmonic Distortion	≤ 3% (linear load)													
	Voltage Regulation	± 1% (static)													
	Frequency	50 or 60 Hz													
	Frequency Regulation	± 0.01% (Internal Oscillator); ± 1% (synchronized)													
	Overload Capability	≤ 110%: 60 minutes; 110 ~ 125%: 10 minutes; 126 ~ 150%: 1 minute													
	Interface	Standard	RS232 x 1, RS485 x 2, SNMP slot x 1, Status dry contact output x 6												
Other Features	Parallel Redundancy	Up to 8 units													
	Emergency Power Off	Local and remote													
	SRAM Event Log	500 records													
	Input Harmonic Improvement	Optional harmonic filter and 12-pulse rectifier													
Efficiency	AC-AC	%	90	91	91.5	92	92.5	93							
	ECO Mode**	%	> 97	> 97.5											
Environment	Operating Temperature	0 ~ 40°C													
	Relative Humidity	0 ~ 90% (non-condensing)													
	Audible Noise (at 1.5 meters)	dBA	≤ 60			≤ 65			≤ 68		≤ 72		≤ 77		
Physical (Rating 380/220 Vac)	Dimensions ***	Width	mm	600				800		1200		1600		1900	
		Depth	mm	800				830		830		995		995	
		Height	mm	1400				1700		1700		1950		1950	
	Weight ****	kg	365	365	425	460	506	525	700	745	1050	1085	1680	1720	1920



Control and LCD Display Panel



Harmonic Filter



Power Management Software



Delta offers full range UPS solutions from 600 VA to 4000 kVA to fulfill your power security needs.

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

\*\* Eco mode operation of UPS is application specific. Please consult Delta representative/F&E for more details.

\*\*\* Standard rating is 380/220 Vac with 6 pulse rectifier. 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.

\*\*\*\* 500 kVA model 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

