

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	2410		

\* 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/FAE 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.



Control and LCD Display Panel



Harmonic Filter



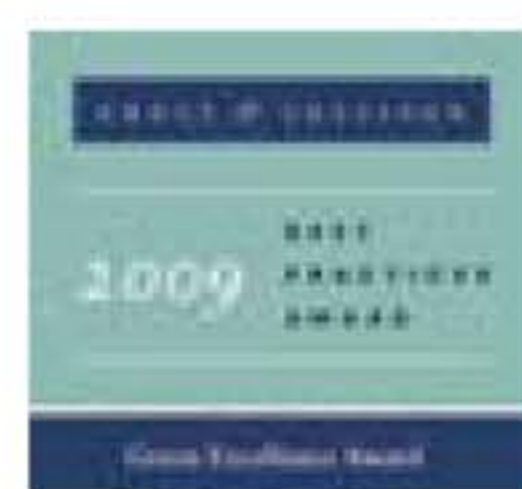
Power Management Software



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



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

