

The power behind competitiveness

Delta UPS–Ultron Family

NT Series, Three Phase

20 - 500 kVA

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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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				18	27	36	45	54	72	90	108	144	180	234	288	360	450	
Input	Nominal Voltage			208/120, 380/220, 400/230, 415/240, 480/277 Vac (3 phase, 4-wire + G)														
	Voltage Range			305~499 Vac														
	Current Harmonic Distortion			< 3% (with optional rectifier or passive filter, full load)														
	Frequency			45~65Hz														
Output	Voltage			208/120, 380/220, 400/230, 415/240, 480/277 Vac (3 phase, 4-wire + G) 220, 230, 240 Vac (1 phase) *														
	Output Power Factor			0.9														
	Voltage Harmonic Distortion			≤ 3% (linear load)														
	Voltage Regulation			± 1% (static)														
	Frequency			50/60 Hz ± 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, SMART slot x 1, Output dry contact x 6													
Other Features	Parallel Redundancy			Up to 8 units														
	Emergency Power Off			Local and remote														
	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 ~ 95% (non-condensing)														
	IP Protection			IP20														
Audible Noise (at 1.5 meters)				≤ 60dB				≤ 65dB				≤ 68dB		≤ 72dB			≤ 77dB	
Physical-6pulse	Dimensions **	Width	mm	600						800		830		995		n/a		
		Depth	mm	800						830		1200		1600		n/a		
		Height	mm	1400						1700		1700		1950		n/a		
	Weight ***		kg	365	365	425	460	506	525	700	745	1050	1085	1680	1720	1920	2410	
Physical-12pulse	Dimensions **	Width	mm	600					830	830			800	995		995		
		Depth	mm	800					800	1200			1400	1600		1900		
		Height	mm	1400					1700	1700			1700	1950		1950		
	Weight ***		kg	450	500	590	640	690	860	1070	1102	1430	1560	2150	2400	2645	3110	

* Single phase output voltage: 220/230/240 is only for 20 ~ 40 kVA models.

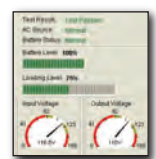
** Standard rating is 380/220 Vac with 6 pulse rectifier. For models: (1) different rating (2) with 12 pulse rectifier or filter, dimensions and weight would be different from standard models. Please contact your local supplier for more information.

*** 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



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



Delta's Manufacturing System is Certified by ISO 9001 and ISO 14001 Standards



IECQ Certificate of Hazardous Substance Process Management

