

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



# Delta UPS–Ultron Family

## NT Series, Three Phase

### 20 - 500 kVA

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 305-499 Vac															
	Current Harmonic Distortion < 3% (with optional power 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 0.8															
	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			1200		1600		n/a		
		Depth	mm	800			830			830		995		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	
Physical-12pulse	Dimensions	Width	mm	600			830			1200		1400		1600		1900
		Depth	mm	800			800			830		830		995		995
		Height	mm	1400			1700			1700		1700		1950		1950
	Weight	kg	450	500	590	640	690	860	1070	1120	1430	1560	2150	2400	2645	3110**

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

\*\* 500 kVA model is assembled into two cabinets: Inverter (width=1100 mm, 1760 kg) and Rectifier (width=800 mm, 1350 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.



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



IECQ Certificate of Hazardous Substance Process Management

