

The power behind competitiveness

Delta UPS–Ultron Family

DPS Series, Three Phase

From 160 to 400kVA, scalable up to 3200kVA in parallel

Leading in power performance and efficiency

Delta's Ultron DPS is a double-conversion and IGBT-rectifier three phase UPS. With state-of-the-art TLI (Triple Level Inverter) and three phase PFC (power factor correction) topology, the Ultron DPS features industry leading performance of up to 96 % AC-AC efficiency, input power factor > 0.99, output power factor of 0.9 and low iTHD < 3%. Aiming to achieve the highest availability possible, Delta has enhanced special designs for battery management, hot-swappable fans and ease of maintenance.

The excellent power performance and high system availability of the Ultron DPS provide customers with the benefits of a stable power supply, high power efficiency, low capital investment and low overall operation cost.

Reliability

- N+X redundancy or hot-standby configuration increases system reliability
- Wide input voltage range -40% ~ +20% allows the UPS to work in harsh electrical environments
- Field programmable sequential start-up 2 to 99 seconds prevents transient current draw to the generators
- Intelligent fan speed control and redundant fan design prevent overheating
- Comprehensive battery management sustains battery lifetime and optimal operation

Low Total Cost Of Ownership

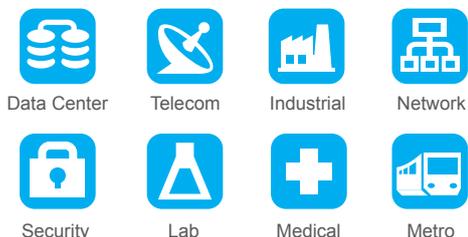
- High efficiency even at light load saves operating costs
- High input power factor (> 0.99) and low input harmonic distortion (iTHD < 3%) save upstream investment

Flexibility

- Parallel expansion without extra hardware allows quick capacity upgrade to meet business growth
- Optional model with built-in isolated transformer

Easy Maintenance

- Hot-swappable fans reduce maintenance lead time
- Built-in manual bypass allows “zero downtime” to ensure system availability during service maintenance
- Main I/P, O/P and bypass switches detection provide quick diagnosis when faults occur



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Technical Specifications					
Model		DPS-160K	DPS-200K	DPS-300K	DPS-400K
Power Rating - kVA		160	200	300	400
Power Rating - kW		144	180	270	360
Input	Nominal Voltage	380/220, 400/230, 415/240 Vac (3 phase, 4-wire + G)			
	Voltage Range	-40% ~ 20% (242 ~ 477/140 ~ 276 Vac) *			
	Current Harmonic Distortion	≤ 3%			
	Power Factor	> 0.99			
	Frequency	50/60 ± 5 Hz			
Output	Voltage	380/220, 400/230, 415/240 Vac (3 phase, 4-wire + G)			
	Voltage Harmonic Distortion	≤ 1.5% (linear load)			
	Voltage Regulation	± 1% (static)			
	Power Factor	0.9			
	Frequency	50/60 ± 0.05 Hz (with internal oscillator)			
	Overload Capability	≤ 125%: 10 minutes; ≤ 150%: 1 minute			
Display		Mimic LCD supports multi-language and LED indicators			
Interface	Standard	RS232 x 1, Smart slot x 2, Dry contact output x 6, Dry contact input x 2, Battery cabinet temperature x 4, Battery status detection Parallel port x 2, REPO x 1			
	Management Peripherals	SNMP card, Modbus card, Relay I/O control card, EnviroProbe, SNMP hub			
Conformance	Safety & EMC	EN 62040-1; CE; IEC 61000-4; IEC 62040-2			
Efficiency	AC-AC	Up to 96% (TÜV tested)			
	ECO Mode	Up to 99% (TÜV tested)			
Battery	Nominal Voltage	± 240 Vdc			
	Charge Voltage	± 272 Vdc			
Environment	Operating Temperature	0 ~ 40°C			
	Relative Humidity	0 ~ 95% (non-condensing)			
	Audible Noise	70 dBA (at one meter)		73 dBA (at one meter)	
	IP Degree of Protection	IP20			
Other Features	Parallel Redundancy & Expansion	Yes (up to 8 units)			
	Emergency Power Off	Yes (local and remote)			
Physical	Dimensions(WxDxH)	850 x 865 x 1950 mm		1600 x 865 x 1950 mm	
	Weight	697 kg		1335 kg	

* When input voltage is 242 ~ 324/140 ~ 187 Vac, the sustainable loading is from 70% to 100% of the UPS capacity.
All specifications are subject to change without prior notice.



Control and LCD Display Panel



Hot-swappable Fan



InsightPower Manager



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



TÜVRheinland® Precisely Right.



Delta Ultron DPS Efficiency is Tested by TÜV