

The power behind competitiveness

Delta UPS–Ultron Family

DPS Series, Three Phase

From 60 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 up to 0.9 and low iTHD < 3%. Aiming to achieve the highest availability possible, Delta has enhanced special designs for battery management, 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 (DPS 60~120kVA : -45% ~ +20% ; DPS 160~400kVA : -40% ~ +20%) allows the UPS to work in harsh electrical environments
- Field programmable sequential start-up
- Intelligent fan speed control and redundant fan design prevent overheating
- Comprehensive battery management sustains battery lifetime and optimal operation

Low Total Cost Of Ownership

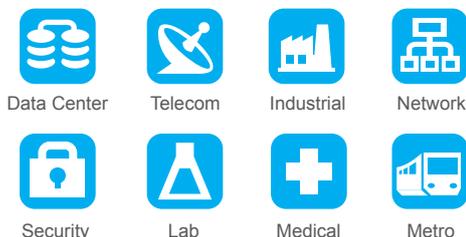
- High efficiency even at light load saves operating costs
- High input power factor (> 0.99) and low input harmonic distortion (iTHD < 3%) save upstream investment

Flexibility

- Parallel expansion without extra hardware allows quick capacity upgrade to meet business growth

Easy Maintenance

- 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



Delta UPS–Ultron Family

DPS Series, Three Phase

From 60 to 400kVA, scalable up to 3200kVA in parallel

Technical Specifications		DPS-60K	DPS-80K	DPS-100K	DPS-120K	DPS-160K	DPS-200K	DPS-300K	DPS-400K
Model		DPS-60K	DPS-80K	DPS-100K	DPS-120K	DPS-160K	DPS-200K	DPS-300K	DPS-400K
Power Rating		60kVA	80kVA	100kVA	120kVA	160kVA	200kVA	300kVA	400kVA
Input	Nominal Voltage	380/220V, 400/230V (3 phase, 4-wire +G)							
	Voltage Range	208~477 Vac*1				242~477 Vac*2			
	Current Harmonic Distortion	< 3%*3							
	Power Factor	> 0.99							
	Frequency	50/60 ± 5 Hz							
Output	Voltage	380/220V, 400/230V (3 phase, 4-wire +G)							
	Output Power Factor	0.9							
	Voltage Harmonic Distortion	≤ 3 % (linear load)				≤ 1.5 % (linear load)			
	Voltage Regulation	±1% (static)							
	Frequency	50/60 ± 0.05 Hz							
	Overload Capacity	≤ 125%: 10 minutes ; ≤ 150%: 1 minute							
Interface	Standard	RS232 x 1, Smart slot x 2, Dry contact output x 6, Dry contact input x 7, Parallel port x 2				RS232 x 1, Smart slot x 2, Dry contact output x 6, Dry contact input x 2, Battery cabinet temperature sensor 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							
Display		Mimic LCD supports multi-language and LED indicators							
Conformance	Safety & EMC	EN 62040-1; CE; IEC 61000-4; IEC 62040-2							
Other Features	Parallel Redundancy and Expansion	Yes (up to 4 units)				Yes (up to 8 units)			
	Emergency Power Off	Yes (local and remote)							
	Event Log	500 records				3000 records			
Efficiency	AC-AC	Up to 96%							
	ECO Mode	Up to 99%							
Environment	Operating Temperature	0 ~ 40°C							
	Relative Humidity	0~95% (non-condensing)							
	Audible Noise (at one meter)	< 73 dBA							
Physical	Dimensions (WxDxH)	520 x 975 x 1695 mm				850 x 865 x 1950 mm		1600 x 865 x 1950 mm	
	Weight	300 kg	330 kg	360 kg	390 kg	697 kg	1335 kg		

*1 When input voltage is 208~300 Vac, the sustainable loading is from 70% to 100% of the UPS capacity.

*2 When input voltage is 242~324 Vac, the sustainable loading is from 70% to 100% of the UPS capacity.

*3 When input harmonic distortion is less than 1%.

All specifications are subject to change without prior notice.



DPS 60 ~ 120kVA



DPS 300 ~ 400kVA



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 160~400kVA Efficiency is Tested by TÜV