

The power behind competitiveness

# Delta UPS–Ultron Family

DPS Series, Three Phase

160/200 kVA

## 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

### Efficiency

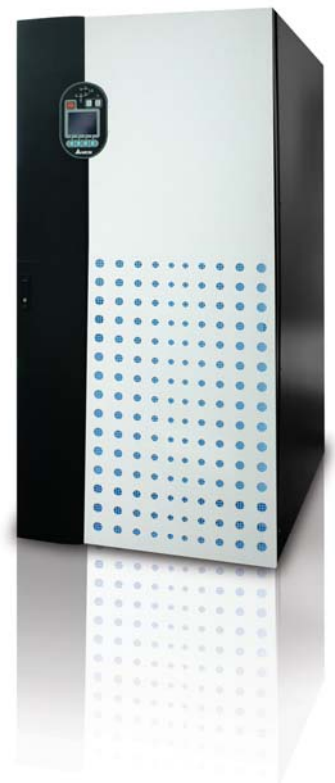
- Achieving 95% efficiency at 30% light load and up to 96% efficiency at 50% load saves on operation costs
- High input power factor (> 0.99) and low input harmonic distortion (iTHD < 3%) save upstream investment

### 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 and removable charger box reduce maintenance lead time
- Built-in manual bypass allows "zero downtime" during service maintenance
- Main I/P, O/P and bypass switches detection provide quick diagnosis when faults occur



Data Center



Telecom



Industrial



Network



Security



Lab



Medical



Metro



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160/200kVA

Technical Specifications			
Model		DPS-160K	DPS-200K
Power Rating - kVA		160	200
Power Rating - kW		144	180
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% (linear load)	
	Voltage Regulation	± 1% (static)	
	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, SNMP slot x 2, Dry contact output x 6, Dry contact input x 2, Battery cabinet temperature x 4, Battery cabinet status detection x 1, 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	96% (TÜV tested)	
	ECO Mode	99% (TÜV tested)	
Battery	Nominal Voltage	± 240 Vdc	
	Charger Voltage	± 272 Vdc (adjustable from 254 to 291 Vdc)	
Environment	Operating Temperature	0 ~ 40°C	
	Relative Humidity	0 ~ 95% (non-condensing)	
	Audible Noise	< 70 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)	UPS	850 x 865 x 1950 mm
		UPS with Transformer	1400 x 865 x 1950 mm
	Weight	UPS	697 kg
		UPS with Transformer	1461 kg

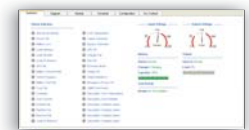
\* When input voltage is 242 ~ 324/140 ~ 187 Vac, the sustainable loading is from 70% to 100% of the UPS capacity.  
All specifications are subject to change without prior notice.



Control and LCD Display Panel



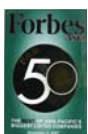
Hot-swappable Fan



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.

The Ultron DPS Efficiency is Tested by TÜV