

The power behind competitiveness

# Delta Ultron DPS Series

Three Phase 160/200 kVA

Uninterruptible Power Supply

## *Innovative energy-saving technology provides leading power efficiency*

*Delta Ultron DPS is double-conversion, IGBT-rectifier 3 phase UPS incorporated with state-of-the-art TLI (Triple Level Inverter) topology. In possession of such advanced technology, the Ultron DPS is a new benchmark of data center backup power solution featuring high efficiency up to 96%.*

*In addition, Ultron DPS is designed with patented power factor correction (PFC) topology rendering high input power factor ( $> 0.99$ ) and low  $iTHD$  ( $< 3\%$ ), a perfect fit to Energy-Star certified equipment in contemporary data center and other applications.*

*Reliability is another critical mission of IT managers. Ultron DPS can parallel link to conform to TIA-942 standard for data center and achieves zero downtime. Without additional hardware, Ultron DPS also offers a flexible and convenient way to expand the total output power to fulfill business growth.*

### Reliability

- Double-conversion and IGBT-rectifier design.
- N+X redundancy or hot-standby configuration.
- Wide input voltage range reduces battery discharging occurrence.
- Advanced battery management optimizes battery performance and lifetime.
- Field programmable sequential start-up 2 to 99 seconds even without paralleling.
- Redundant fan design.

### Efficiency

- System efficiency up to 96% saves operating cost.
- High input power factor ( $> 0.99$ ) and low input harmonic distortion ( $iTHD < 3\%$ ) save upstream investment.

### Flexibility

- Easy parallel expansion for future business growth.
- Multi-language mimic LCD display and LED status indicators.
- Front-panel access for maintenance.
- AC-start and battery-start capabilities.
- Inbuilt maintenance and static bypass switch.
- Hot-swappable fans for easy replacement.
- Optional model with built-in transformer.



Data Center



Telecom



Industrial



Network



Security



Lab



Medical



Metro



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Technical Specifications			
Model		DPS 160	DPS 200
<b>Power Rating - kVA</b>		160	200
<b>Power Rating - kW</b>		144	180
<b>Input</b>	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	
<b>Output</b>	Voltage	380/220, 400/230, 415/240 Vac (3 phase, 4-wire + G)	
	Voltage Harmonic Distortion	≤ 1.5% (linear load)	
	Voltage Regulation	± 1% (static)	
	Frequency	50/60 ± 0.05 Hz (with internal oscillator)	
	Overload Capability	≤ 125%: 10 minutes; ≤ 150%: 1 minute	
<b>Display</b>	Mimic LCD supports multi-language and LED indicators		
<b>Interface</b>	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, Battery cabinet temperature sensor, Battery cabinet status detection cable	
<b>Conformance</b>	Safety & EMC	EN 62040-1; CE; IEC 61000-4; IEC 62040-2	
<b>Efficiency</b>	AC-AC	96% (TÜV certification in progress)	
	ECO Mode	99% (TÜV certification in progress)	
<b>Battery</b>	Nominal Voltage	± 240 Vdc	
	Charger Voltage	± 272 Vdc (adjustable from 254 to 291 Vdc)	
<b>Environment</b>	Operating Temperature	0 ~ 40°C	
	Relative Humidity	0 ~ 95% (non-condensing)	
	Audible Noise	< 70 dBA (at one meter)	
	IP Degree of Protection	IP20	
<b>Other Features</b>	Parallel Redundancy & Expansion	Yes (up to 8 units)	
	Emergency Power Off	Yes (local and remote)	
<b>Physical</b>	Dimensions (WxDxH)	UPS	850 x 865 x 1950 mm
		UPS with Transformer	1400 x 865 x 1950 mm
	Weight	UPS	721 kg
		UPS with Transformer	1485 kg

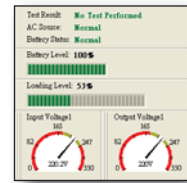
\* When input voltage is 242 ~ 324/140 ~ 187 Vac, the sustainable loading is from 70% to 100% of the UPS capacity. All specifications are subject to change without prior notice.



Control and LCD Display Panel



Hot-swappable and Redundant Fan



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



TÜVRheinland® Precisely Right.

