

The power behind competitiveness

Ultron DPS Series

Three Phase 160/200 kVA

Uninterruptible Power Supply

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 $< 3\%$) saves 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.
- Built-in 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



POWER & COOLING SOLUTIONS

Ultra UPS Series

Three Phase 160/200 kVA

Technical Specifications

Model		DPS160	DPS200
Power Rating		160kVA/144kW	200kVA/180kW
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)	
	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, Battery cabinet temperature sensor, Battery cabinet status detection cable	
Conformance	Safety & EMC	EN 62040-1; CE; IEC 61000-4; IEC 62040-2	
Efficiency	AC-AC	96% (TÜV certification in progress)	
	ECO Mode	99% (TÜV certification in progress)	
Battery	Nominal Voltage	± 240 Vdc	
	Charger Voltage	± 272 Vdc (adjustable from 254 to 291 Vdc)	
Environment	Operating Temperature	0 ~ 40°C	
	Relative Humidity	95% (non-condensing)	
	Audible Noise	< 70 dBA (at one meter)	
	IP Degree of Protection	IP20	
Other	Parallel Redundancy & Expansion	Yes (up to 8 units)	
Features	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: 721 kg	
		UPS with Transformer: 1485 kg	

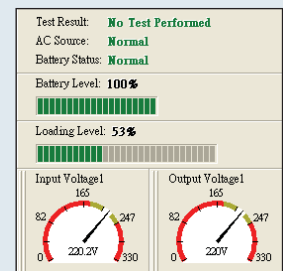
* When input voltage is 242 ~ 324/140 ~ 187 Vac, the sustainable loading is from 70% to 100% of the UPS capacity. All specifications are subject to change without prior notice.



Control and LCD Display Panel



Hot-swappable and Redundant Fan



Power Management Software



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



Delta offers full range UPS solutions from 600 VA to 4000 kVA to fulfill your power security needs.

Please refer to www.deltapowersolutions.com

