

The power behind competitiveness

Delta UPS – Ultron Family

DPS Series, Three Phase
300-1200 kVA

The Next Generation UPS Answering the Demands of Large Data Centers and Colocations

Delta's superior Ultron DPS series 300-1200kVA UPS supports unity output power factor to deliver up to 9.6 MW power capacity to meet the demands for large data centers and colocations that require higher power capacity. The Ultron DPS series guarantees the highest level of system reliability and resiliency by supporting self-detection of key components with pre-warning function, multi-layered redundancy design, and complete power rating coverage. Moreover, the DPS series supports advanced manageability. Key environment parameters, and event analysis can all be monitored via local 10" LCD monitor and remotely. Along with optional battery management software, the DPS series enables users to achieve predictive maintenance and minimize system downtime, while lowering the total cost of ownership (TCO).

Ultimate Availability

- Supports up to 9.6 MW power capacity with the parallel redundancy and expansion up to 8 units
- Redundancy components and dual CAN bus ensures system availability
- Proactive detection of key component status for early diagnosis on UPS malfunction
- Intelligent battery health diagnosis enables better battery maintenance and replacement
- Advanced event analysis, including 10,000 event logs, waveform capturing and key parameters recording, to detect UPS abnormality and ensure higher availability

Excellent Performance

- The industry's leading power density and smallest footprint with the design of both top/bottom cable entry and inbuilt switches, which allows you to flexibly utilize the space under the circumstance of high power requirements
- Unity output power factor guarantees no-rating and provides 100% kW
- AC-AC efficiency of up to 96.5% and 99% in ECO mode resulting in marked energy cost savings
- Supports both VRLA and environment-friendly Li-ion batteries

Sophisticated Manageability and Flexibility

- User-friendly 10" color touch panel simplifies local UPS management
- Environment information, such as security, water, fire, and temperature can be integrated and monitored via the LCD panel of the UPS
- If the UPS is equipped with an external battery management system, the battery information can be integrated and monitored via the LCD panel of the UPS
- Fully front access and modular design of key components shortens the mean time to repair (MTTR)
- Flexible battery quantity of 30-46 pcs achieves optimal battery investment



Data Center



Telecom



Industrial



Network



Banking



Security



Medical



Metro



Government



Education



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Technical Specification

| Model | | DPS-300K | DPS-400K | DPS-500K | DPS-600K | DPS-800K | DPS-1000K | DPS-1200K |
|---------------------|---|---|----------|----------|----------------------|----------|---------------------|---------------------|
| Power Rating | kVA | 300 | 400 | 500 | 600 | 800 | 1000 | 1200 |
| | kW | 300 | 400 | 500 | 600 | 800 | 1000 | 1200 |
| Input | Nominal Voltage | 220/380Vac, 230/400Vac, 240/415Vac (3-phase, 4-wire +G) | | | | | | |
| | Voltage Range | 176/304~276/478Vac (full load) | | | | | | |
| | Current HarmonicDistortion | < 3% (with Full Linear Load); < 5% (with Full Non-linear Load) | | | | | | |
| | Power Factor | > 0.99 | | | | | | |
| | Frequency Range | 40~70Hz | | | | | | |
| Output | Voltage | 220/380Vac, 230/400Vac, 240/415Vac (3-phase, 4-wire +G) | | | | | | |
| | Voltage HarmonicDistortion | <1.5% (Linear Load); < 5% (Non-linear Load) | | | | | | |
| | Voltage Regulation | ±1 (static); ±5 (dynamic) | | | | | | |
| | Output Power Factor | 1 | | | | | | |
| | Frequency | 50/60Hz (Auto-Selectable) | | | | | | |
| Overload Capability | ≤ 125%: 10min ; ≤ 150%: 1min ; > 150%: 1sec | | | | | | | |
| Display | 10" Color Touch Panel | | | | | | | |
| Interface | Standard | RS232, Parallel port, USB, Modbus RS485, Input dry contact, Output dry contact, SNMP card inbuilt in touch screen | | | | | | |
| | Optional | Relay I/O card, Battery cabinet temperature sensor cable | | | | | | |
| Conformance | Safety | CE | | | | | | |
| Efficiency | AC-AC Mode | Up to 96.5% | | | | | | |
| | ECO Mode | 99% | | | | | | |
| Battery | Type | VRLA, LiB | | | | | | |
| | Charge Current | 90A | 120A | 150A | 180A | 240A | 300A | 360A |
| | Battery Quantity | 30~46pcs | | | | | | |
| Environment | Operating Temperature | 0~40°C | | | | | | |
| | Relative Humidity | 0~95% (non-condensing) | | | | | | |
| | Audible Noise | < 80dB | | | | | | |
| | IP Protection | IP 20 | | | | | | |
| Others | Parallel Redundancy and Expansion | Maximum 8 units | | | | | | |
| | Emergency Power Off | Remote and local | | | | | | |
| Physical | Dimensions (W x D x H) | 600* x 900 x 2000mm | | | 1200* x 900 x 2000mm | | 1800 x 900 x 2000mm | 2450 x 900 x 2000mm |
| | Weight | 515kg | 700kg | 811kg | 970kg | 1270kg | 1850kg | 2000kg |

* The width is for the cabinet which has four inbuilt switches.

* For DPS-300K, only top cable entry is available

All specifications are subject to change without prior notice.



DPS series 300-600kVA is highly integrated with four built-in switches as standard model



Fully front access and modular design of key components simplifies maintenance and shorten the mean time to repair (MTTR)



User-friendly 10" color touch screen



Li-ion Battery-ready