

Ultron DPS Series UPS

Three-phase, 300-1200 kVA, 400 Vac

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

Delta's superior Ultron DPS series 300-1200 kVA UPS supports unity output power factor to deliver up to 9.6 MW power capacity to meet the demands of large data centers and colocations. The Ultron DPS series guarantees the highest level of system reliability by supporting self-detection of key components with pre-warning function, multi-layered redundancy design, and complete power rating coverage. 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 parallel redundancy and expansion up to 8 units
- Redundant components and dual CAN bus ensures system availability
- Proactive detection of key component status for early diagnosis of 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 (* For DPS-300K, only top cable entry is available)
- Unity output power factor guarantees no-rating and provides 100% kW
- AC-AC efficiency of up to 96.5% and 99% in ECO mode provides marked energy cost savings
- Supports both VRLA and environment-friendly Li-ion batteries

Sophisticated Manageability and Flexibility

- 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
- Flexible battery quantity of 30-46 pcs achieves optimal battery investment



IT



Telecom



Industrial



Transportation



Financial



Government



Technical Specifications

Model	DPS-300K	DPS-400K	DPS-500K	DPS-600K	DPS-800K	DPS-1000K	DPS-1200K
Power Rating	300 kVA 300 kW	400 kVA 400 kW	500 kVA 500 kW	600 kVA 600 kW	800 kVA 800 kW	1000 kVA 1000 kW	1200 kVA 1200 kW
Parallel Configuration	Up to 8 units						
INPUT							
Nominal Voltage	380/400/415 Vac, 3P4W+PE						
Voltage Range	305 ⁽¹⁾ -477 Vac (100% load); 229-305 Vac (with derating to 70-100% load)						
Frequency Range	40-70 Hz						
Total Harmonic Distortion (THDi)	< 3% (linear load); < 5% (non-linear load)						
Power Factor	> 0.99 (100% load)						
Short Circuit Withstand Rating	65 kA					100 kA	
OUTPUT							
Nominal Voltage	380/400/415 Vac, 3P4W+PE						
Voltage Regulation	±1%						
Frequency	50/60 ± 0.05 Hz						
Total Harmonic Distortion (THDv)	< 1.5% (linear load); < 5% (non-linear load)						
Power Factor	1						
Overload Capability	≤ 125%: 10 mins; ≤ 150%: 1 min; > 150%: 1 sec						
Current Crest Ratio	3:1						
EFFICIENCY							
Online Mode	Up to 96.5%						
Eco Mode	Up to 99%						
BATTERY							
Battery Type	VRLA/Lithium-ion						
Nominal Voltage	480 Vdc						
Quantity	30 ⁽²⁾ -46 pcs (Configurable, 12V VRLA battery)						
Maximum Charge Current	90 A	120 A	150 A	180 A	240 A	300 A	360 A
COMMUNICATION INTERFACE							
Display	10-inch color touchscreen						
Port	Modbus (RS-485), Smart slot, REPO, Input dry contact x4, Output dry contact x6, External switch/breaker status dry contact x4, External battery temperature detection x4, Ethernet port, BMS (RS-485), EMS/Console (RJ45)						
Protocols	SNMP, Modbus RTU, Modbus TCP/IP, HTTP(S), SNT, SMTP, Syslog, BOOTP, DHCP						
PHYSICAL							
Dimensions (W x D x H)	600 ⁽³⁾ x 900 x 2000 mm	1200 ⁽³⁾ x 900 x 2000 mm			1800 x 900 x 2000 mm	2450 x 900 x 2000 mm	
Net Weight	515 kg	700 kg	800 kg	970 kg	1270 kg	1850 kg	2000 kg
ENVIRONMENT							
Operating Temperature	0 to 40°C						
Humidity	0-95% (non-condensing)						
Altitude	0-2000 m (derating 1%/100m from 1001-2000 m)						
Storage Temperature	-25 to 70°C						
CONFORMANCE							
Safety	CE, UKCA						
EMC	IEC 62040-2						
Performance	IEC 62040-3						
Sustainability	RoHS, REACH						
FEATURES							
Standard	Sequential start for generator, Backfeed protection, Burn-in test without load bank, Cold start function, Frequency conversion, Failure prediction						
Optional	Software integration with Delta Lithium-ion battery BMS						

(1) 305-324 Vac with conditional application

(2) 30-36 batteries must be set up by authorized personnel, with load derating required

(3) The width of the UPS includes 4 built-in switches

All specifications are subject to change without prior notice.



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