

Ultron DPM Gen2 Series UPS

Three-phase, 300-2100 kVA, 480 Vac

Uplevel Performance, Ensure Protection

Selected by leading global cloud providers, Delta's DPM Gen2 introduces advanced features for enhanced efficiency and reliability. This includes OPEX savings with up to 97.5% AC-AC efficiency and improved grid stability. Synchronized Multiple Bus (SMB) and parallel scalability ensures flawless reliability, making it the ideal solution for fortified hyperscale data centers.



OPEX Savings

- AC-AC efficiency up to 97.5%, efficiency optimization at light loads saves energy costs
- Clean mode (voltage independent mode) up to 99.2% efficient guarantees the optimum power condition while maintaining the highest level of efficiency
- Optimizes energy cost with off-peak charging, avoiding peak-time expense
- Elevates grid stability through responsive demand reduction and fast frequency regulation, triggers upon utility requests for eligible bill subsidies

Impeccable Reliability

- Assures smooth power transitions with integrated Synchronized Multiple Bus (SMB), minimizing transformer inrush currents and maintaining balanced power from dual sources
- Parallels up to 8 units for redundancy or expansion, supported by N+1 internal redundancy in power modular configuration
- Maximizes UPS performance and lifespan with self-diagnosis and key component analysis

Ultimate Availability

- Lithium-ion battery ready. Adjustable battery charging voltage adapts to multiple types of batteries
- Seamless power shifts to generator with an advance power walk-in function, pausing during frequency issues for smooth transitions without unnecessary generator sizing expansion
- Grid interactive application. Provides corrective operation for unstable renewal energy sources with an innovative topology design that handles grid and battery power at the same time
- Easy mounting/cabling that supports both top and bottom cable entry and full front access



IT



Telecom



Industrial



Transportation



Financial



Government



Technical Specifications

Model	DPM G2-	300K ⁽¹⁾	600K ⁽¹⁾	900K ⁽¹⁾	1200K	1500K	1800K ⁽¹⁾	2100K ⁽¹⁾
Power Rating		300 kVA	600 kVA	900 kVA	1200 kVA	1500 kVA	1800 kVA	2100 kVA
		300 kW	600 kW	900 kW	1200 kW	1500 kW	1800 kW	2100 kW
Parallel Configuration	Up to 8 units							
INPUT								
Nominal Voltage	480 Vac, 3P3W+PE							
Voltage Range	408-552 Vac (100% load)							
Frequency Range	40-70 Hz							
Total Harmonic Distortion (THDi)	< 3% (100% resistive load)							
Power Factor	> 0.99 (100% load)							
Short Circuit Withstand Rating	65 kA				100 kA			
OUTPUT								
Nominal Voltage	480 Vac, 3P3W+PE							
Voltage Regulation	±1% (static)							
Frequency	50/60 ± 0.05 Hz							
Total Harmonic Distortion (THDv)	< 1% (linear load)							
Overload Capability	< 110%: continues; 110-125%: 10 mins; 126-150%: 1 min; > 150%: 1 sec							
Current Crest Ratio	3:1							
EFFICIENCY								
Online Mode	Up to 97.5%							
Clean Mode (VI)	Up to 99.2%							
BATTERY								
Battery Type	VRLA/Vented lead-acid/Lithium-ion/Ni-Zinc							
Nominal Voltage	480 Vdc							
Quantity	34-35 ⁽²⁾ , 36-46 pcs (Configurable, 12V VRLA battery)							
Charge Current	*(3)	*(3)	*(3)	500 A	625 A	*(3)	*(3)	
Protection Design	Battery shunt trip x1, Battery temperature detection x4, Battery breaker status dry contact x1							
COMMUNICATION INTERFACE								
Display	10-inch color touchscreen							
Port	Smart slot x2, Modbus (RS-485) port x1, REPO port x1, Input dry contact x6, Output dry contact x6, Synchronized Multiple Bus (SMB) x2, Breaker status detection x4, EMS/Console port x1, Ethernet x1							
Protocols	SNMP, Modbus RTU, Modbus TCP/IP, HTTP(S), SNTP, SMTP, BOOTP, DHCP							
PHYSICAL								
Dimensions (W x D x H)	*(3)	*(3)	*(3)	3070 x 990 x 2000 mm	3400 x 990 x 2000 mm	*(3)	*(3)	
Net Weight	*(3)	*(3)	*(3)	2408 kg	2779 kg	*(3)	*(3)	
ENVIRONMENT								
Operating Temperature	0 to 40 °C							
Humidity	0-95% (non-condensing)							
Altitude	0-2000 m (derating 1%/100m from 1001-2000 m)							
CONFORMANCE								
Safety	UL							
EMC	FCC Class A							
Performance	IEC 62040-3							
Sustainability	RoHS, REACH, Energy Star 2.0							
FEATURES								
Standard	Advance power walk-in for generator, Backfeed protection with contactor, Burn-in test without load bank, Cold start function, Synchronized multiple bus (SMB), Battery shunt trip, Auxiliary power 48 Vdc for shunt trip, Failure prediction							
Optional	Grid interactive, Software integration with Delta Lithium-ion battery BMS, DC battery ground fault detector, Integrated battery switch cabinet, IR scan window							

(1) Upcoming product

(2) 34-35 pcs require service setting and load derating

(3) To be released

All specifications are subject to change without prior notice.



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