

# Delta UPS Ultron Family

DPM Gen2 Series 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

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- 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

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- 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

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- 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 <sup>(1)</sup>	600K <sup>(1)</sup>	900K <sup>(1)</sup>	1200K	1500K	1800K <sup>(1)</sup>	2100K <sup>(1)</sup>	
Power Rating		300 kVA 300 kW	600 kVA 600 kW	900 kVA 900 kW	1200 kVA 1200 kW	1500 kVA 1500 kW	1800 kVA 1800 kW	2100 kVA 2100 kW	
Parallel Configuration		Up to 8 units							
<b>INPUT</b>									
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			
Connection		Single or dual feed							
<b>OUTPUT</b>									
Nominal Voltage		480 Vac, 3P3W+PE							
Voltage Regulation		±1% (static)							
Frequency		50/60 ± 0.05 Hz							
Total Harmonic Distortion (THDv)		< 1% (linear load)							
Power Factor		1							
Overload Capability		< 110%: continues; 110-125%: 10 mins; 126-150%: 1 min; > 150%: 1 sec							
Current Crest Ratio		3:1							
<b>EFFICIENCY</b>									
Online Mode		Up to 97.5%							
Clean Mode (VI)		Up to 99.2%							
<b>BATTERY</b>									
Battery Type		VRLA, Vented lead-acid, Lithium-ion, Ni-Zinc							
Nominal Voltage		480 Vdc							
Quantity		34-35 <sup>(2)</sup> , 36-46 pcs (VRLA 12 V)							
Charge Current		125 A	250 A	375 A	500 A	625 A	750 A	875 A	
Protection Design		Battery shunt trip x1, Battery temperature detection x4, Battery breaker status dry contact x1							
<b>COMMUNICATION INTERFACE</b>									
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							
Remote Emergency Power Off (REPO) Protocols		Optional SNMP, Modbus RTU, Modbus TCP/ IP, HTTP(S), SNTP, SMTP, BOOTP, DHCP							
<b>PHYSICAL</b>									
Dimensions (W x D x H)		40.55 x 38.98 x 78.74 in (1030 x 990 x 2000 mm)	* <sup>(3)</sup>	* <sup>(3)</sup>	120.87 x 38.98 x 78.74 in (3070 x 990 x 2000 mm)	133.86 x 38.98 x 78.74 in (3400 x 990 x 2000 mm)	* <sup>(3)</sup>	* <sup>(3)</sup>	
Net Weight		1489.2 lb (675.5 kg)	* <sup>(3)</sup>	* <sup>(3)</sup>	5308.7 lb (2408 kg)	6126.6 lb (2779 kg)	* <sup>(3)</sup>	* <sup>(3)</sup>	
<b>ENVIRONMENT</b>									
Operating Temperature		32 to 104°F (0 to 40°C)							
Humidity		0-95% (non-condensing)							
Audible Noise		< 78 dBA	* <sup>(3)</sup>	* <sup>(3)</sup>	< 84 dBA	< 85 dBA	* <sup>(3)</sup>	* <sup>(3)</sup>	
Altitude		0-6560 ft (0-2,000 m) (derating 1%/100m from 1,001-2,000 m)							
Storage Temperature		-13 to 158°F (-25 to 70°C)							
Ingress Protection		IP20							
<b>CONFORMANCE</b>									
Safety		UL1778							
EMC		FCC Class A							
Performance		IEC 62040-3							
Sustainability		RoHS, REACH, Energy Star							
<b>FEATURES</b>									
Advance Power Walk-in for Generator		Standard							
Backfeed Protection with Contactor		Standard							
Burn-in Test without Load Bank		Standard							
Cold Start Function		Standard							
Synchronized Multiple Bus (SMB)		Standard							
Battery Shunt Trip		Standard							
Auxiliary power 48Vdc for Shunt Trip		Standard							
Advance Failure Prediction		Optional							
Grid Interactive		Optional							
Software Integration with Delta Lithium Battery BMS		Optional							
DC Battery Ground Fault Detector		Optional							
Integrated Battery Switch Cabinet		Optional							
IR Scan Window		Optional							

(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.

