

Delta UPS Ultron Family

HPH Series, Three Phase, 60-120 kVA

Efficiency Engineered, Power Perfected

Elevate your power game with the Ultron HPH UPS: unbeatable energy efficiency and superior performance for mission-critical applications and small data centers. Fully rated power, advanced IGBT topology, and Delta's digital PFC controls ensure uninterrupted power excellence. Unleash uncompromised power with the Delta HPH UPS!



Best-in-Class Power Performance and Efficiency

- Fully rated power (kVA=kW) for maximum power availability
- Leading AC-AC efficiency up to 96 % saves energy costs
- Low harmonic pollution (iTHD < 3 %) and high input power factor (> 0.99) reduce upstream investment costs

Assured Reliability

- Wide input voltage range allows the UPS to operate in harsh electrical environments and extends battery life
- DSP based technology enables a reduction in the number of electronic components to lower the failure rate
- Redundant auxiliary power and static switch control circuit* design prevents single point of failure
(* Applied for HPH-100/120K)

Greater Flexibility

- A wide choice of configurations, such as N+X redundancy and hot stand-by
- Adjustable charging current and charging voltage meet different battery configuration requirements
- Flexible battery configuration optimizes battery investment

Superior Serviceability and Management

- Swappable interior architecture and front access servicing enables quick and easy maintenance
- Multi-connectivity interface supports remote UPS monitoring and management



IT



Telecom



Industrial



Transportation



Financial



Government



Technical Specifications

Model	HPH-60K	HPH-80K	HPH-100K	HPH-120K
Power Rating	60 kVA 60 kW	80 kVA 80 kW	100 kVA 100 kW	120 kVA 120 kW
Parallel Configuration	Up to 4 Units			
INPUT				
Nominal Voltage	380/400/415 Vac, 3P4W+PE			
Voltage Range	332~477 Vac (full load) 228~332 Vac (with derating from 63~100 % load)			
Frequency	40~70 Hz			
Total Harmonic Distortion (THDi)	< 3 %			
Power Factor	> 0.99 (full load)			
Short Circuit Withstand Rating	15 kA	22 kA		
OUTPUT				
Nominal Voltage	380/400/415 Vac, 3P4W+PE			
Voltage Regulation	±1 %			
Frequency	50/60 Hz ± 0.05 Hz			
Total Harmonic Distortion (THDv)	≤ 2 % (Linear Load)			
Power Factor	1.0			
Overload Capability	≤ 125 %: 10 mins; 126~150 %: 1 min; > 150 %: 1 sec			
Current Crest Ratio	3:1			
EFFICIENCY				
Online Mode	> 96 %			
ECO Mode	Up to 99 %			
BATTERY				
Battery Type	VRLA/ Lithium-ion			
Nominal Voltage	±240 Vdc			
Quantity	32~46 pcs ⁽¹⁾			
Charge Current	10 A	15 A	20 A	
Max. Charger Current with Optional Charger Board	20 A		40 A	
COMMUNICATION INTERFACE				
Display	LCD Screen with LED Indicators			
Port	Smart slot x1, Mini slot x1, Parallel port x2, RS-232 x1, Charger detection port x1, Input dry contact x2, Output dry contact x6, USB x1, REPO port x1, External battery temperature sensing port x2			
Emergency Power Off	Yes			
PHYSICAL				
Dimensions (W x D x H)	520 x 800 x 1175 mm		520 x 800 x 1760 mm	
Net Weight	186.5 kg	191 kg	312 kg	
Packing Dimensions (W x D x H)	685 x 1003 x 1337 mm		720 x 994 x 1952 mm	
Packing Weight	220.5 kg	225 kg	388 kg	
ENVIRONMENT				
Operating Temperature	0 to 45 °C ⁽²⁾			
Humidity	5~95 % (non-condensing)			
Audible Noise	< 65 dBA			
Altitude	0~1,000 m (without derating)			
Storage Temperature	-20 to +50 °C			
Ingress Protection	IP20			
CONFORMANCE				
Safety	CE, IEC			
EMC	IEC 62040-2			
Performance	IEC 62040-3			
Sustainability	RoHS, REACH			
FEATURES				
Backfeed Protection	Standard			
Cold Start Function	Standard			
Synchronized Multiple Bus (SMB)	Standard			
Advanced Power Walk-in for Generator	Option			
Dual Input	Option			

(1) 32~36 pcs require service setting and load derating

(2) 40~45 °C with load derating

All specifications are subject to change without prior notice.



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