

# Ultron HPH Series UPS

Three-phase, 60-120 kVA, 400 Vac

## 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

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- 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

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- 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
- (\* Applicable to HPH-100/120K)

## Greater Flexibility

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- User-friendly 5-inch color touchscreen enables easy local UPS management
- Optional SNMP IPv6 and Modbus communication cards for remote monitoring
- Inbuilt 15 A charger for long backup solution without additional cost
- Optional IP42 kit for harsh environment applications
- Front access and easy battery replacement for inbuilt battery models

## Superior Serviceability and Management

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- 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			
<b>INPUT</b>				
Nominal Voltage	380/400/415 Vac, 3P4W+PE			
Voltage Range	332-477 Vac (100% load); 229-332 Vac (with derating to 63-100% load)			
Frequency Range	40-70 Hz			
Total Harmonic Distortion (THDi)	< 3%			
Power Factor	≥ 0.99 (100% load)			
Short Circuit Withstand Rating	15A	22A		
<b>OUTPUT</b>				
Nominal Voltage	380/400/415 Vac, 3P4W+PE			
Voltage Regulation	±1%			
Frequency	50/60 ± 0.05 Hz			
Total Harmonic Distortion (THDv)	≤ 2% (linear load)			
Power Factor	1			
Overload Capability	≤ 125%: 10 mins; 126-150%: 1 min; > 150%: 1 sec			
Current Crest Ratio	3:1			
<b>EFFICIENCY</b>				
Online Mode	> 96%			
Eco Mode	Up to 99%			
<b>BATTERY</b>				
Battery Type	VRLA/Lithium-ion			
Nominal Voltage	± 240 Vdc			
Quantity	30-46 pcs <sup>(1)</sup>			
Charge Current	10 A	15A	20A	
Max. Charger Current with Optional Charger Board	20A		40A	
<b>COMMUNICATION INTERFACE</b>				
Display	LCD display 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			
<b>PHYSICAL</b>				
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	
<b>ENVIRONMENT</b>				
Operating Temperature	0 to 45°C (40 to 45°C with load derating)			
Humidity	5-95% (non-condensing)			
Altitude	0-1000 m (without derating)			
Storage Temperature	-20 to 50°C			
<b>CONFORMANCE</b>				
Safety	CE, UKCA			
EMC	IEC 62040-2			
Performance	IEC 62040-3			
Sustainability	RoHS, REACH			
<b>FEATURES</b>				
Standard	Backfeed protection, Cold start function, Synchronized multiple bus (SMB), Frequency conversion, Dual input			

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

All specifications are subject to change without prior notice.



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