

# Ultron HPH Series UPS

Three-phase, 160/200 kVA, 400 Vac

**Highly reliable and efficient backup power for medium enterprise operations**

The brand-new Ultron HPH series 160-200 kVA is a true online double-conversion UPS offering the best-in-class combination of power performance and efficiency for medium data centers, pan-IT, and other mission critical applications. The Ultron HPH features up to 96.5% AC-AC efficiency, low iTHD < 3%, and high input power factor > 0.99 resulting in significant total cost of ownership (TCO) savings. Highlights of the highly reliable Ultron HPH series UPS design include key component redundancy and proactive battery health detection. With its combination of superior availability and power performance, the Ultron HPH 160-200 kVA is the top choice for power protection of sustainable medium business operations.



## Best-in-Class Power Performance and Efficiency

- High AC-AC efficiency of up to 96.5% and ECO mode to 99% for significant energy cost savings
- Low harmonic pollution (iTHD < 3%) and high input power factor (> 0.99) reduce upstream investment costs

## Assured Availability

- Optional redundant controller supports dual CAN bus and ring connection for high system availability
- Proactive battery aging detection for high reliability
- Easy event log check via touch panel and firmware upgrade via USB port

## Greater Flexibility

- Parallel expansion and redundancy up to 8 units, 1.6 MVA of total power capacity
- Flexible battery configuration for 30-46 pieces optimizes battery investment
- Supports either top or bottom cable entry in the single cabinet. The unique fixed symmetric terminal design avoids cable bending issues to enhance cable reliability

## Superior Manageability

- User-friendly 10-inch colored LCD with touch panel enables easy local UPS management
- Environment information such as security, water, fire and temperature can be integrated into the UPS for easy monitoring via the LCD of the UPS
- If the UPS features Delta's battery management system, the battery information integrates seamlessly for LCD monitoring



IT



Telecom



Industrial



Transportation



Financial



Government



## Technical Specifications

Model	HPH-160K	HPH-200K
Power Rating	160 kVA 160 kW	200 kVA 200 kW
Parallel Configuration	Up to 8 units	
<b>INPUT</b>		
Nominal Voltage	380/400/415 Vac, 3P4W+PE	
Voltage Range	305-477 Vac (100% load); 228-305 Vac (with derating to 70-100% load)	
Frequency Range	40-70 Hz	
Total Harmonic Distortion (THDi)	≤ 3% <sup>(1)</sup>	
Power Factor	> 0.99 (100% load)	
<b>OUTPUT</b>		
Nominal Voltage	380/400/415 Vac, 3P4W+PE	
Voltage Regulation	±1%	
Frequency	50/60 ± 0.05 Hz	
Total Harmonic Distortion (THDv)	≤ 0.5% (linear load)	
Power Factor	1	
Overload Capability	≤ 125%: 10 mins; ≤ 150%: 1 min; > 150%: 1 sec	
Current Crest Ratio	3:1	
<b>EFFICIENCY</b>		
Online Mode	Up to 96.5%	
Eco Mode	Up to 99%	
<b>BATTERY</b>		
Battery Type	VRLA	
Nominal Voltage	±240 Vdc	
Quantity	30-46 pcs	
Maximum Charge Current	45 A	60A
<b>COMMUNICATION INTERFACE</b>		
Display	10-inch color touchscreen	
Port	Modbus (RS-485), BMS (RS-485), EMS/Console (RJ45), SMART slot x1, REPO x1, Input dry contact x4, Output dry contact x6, External battery temperature dry contact x4, External switch/breaker status dry contact x4	
Protocols	SNMP, Modbus RTU, Modbus TCP/IP, HTTP(S), SNTp, SMTP, Syslog, BOOTP, DHCP	
<b>PHYSICAL</b>		
Dimensions (W x D x H)	600 x 1100 x 1600 mm	
Net Weight	340 kg	376 kg
<b>ENVIRONMENT</b>		
Operating Temperature	0 to 40°C	
Humidity	0-95% (non-condensing)	
Altitude	0-1000 m	
Storage Temperature	-25 to 70°C	-20 to 70°C
<b>CONFORMANCE</b>		
Safety	CE, UKCA, RCM	
EMC	IEC 62040-2	
Performance	IEC 62040-3	
Sustainability	RoHS, REACH	
<b>FEATURES</b>		
Standard	Backfeed protection, Cold start function, Frequency conversion, Synchronized multiple bus, DC battery ground fault	

(1) When input vTHD < 1%

All specifications are subject to change without prior notice.



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