

Ultron HPH Gen2 Series UPS

Three-phase, 20-40 kVA, 400 Vac

Combines reliable protection, cost-effective power, compact footprint and high-level performance

The HPH Gen2 20-40 kVA UPS offers a best in class footprint and high-level performance. With advanced technology and thermal management, it achieves the world's leading power density and promises 40°C without de-rating. The 0.99 input PF and iTHD < 2% ensure maximum upstream source compatibility. Low total cost of ownership is achieved by > 96% efficiency, energy recycle mode, wider battery quantity configuration and inbuilt 15 A charger. In addition, it provides a user-friendly interface touch panel, manual protection devices and caster wheels for easy deployment, installation and operation. All these features provide the ideal solution for various small and medium-sized data centers and critical power backups.



Easy Deployment and Maintenance with Compact Design

- Inbuilt casters for easy move-in, positioning and maintenance
- Inbuilt input/ bypass input/ output/ maintenance bypass breakers for completed distribution panel
- Slim design and smallest footprint (40 kW in 0.15 m²) to reduce wasted space

Low Total Cost of Ownership

- Wide battery quantity configuration (30-46 pcs) optimizes the battery solution
- High AC-AC efficiency over 96% and ECO mode to 99% provide marked energy cost savings
- Low input harmonic distortion (iTHD < 2%) is highly compatible with upstream UPS power without additional filter or over sizing generator

High Manageability and Flexibility

- 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



IT



Telecom



Industrial



Transportation



Financial



Government



Technical Specifications

Model	HPH-20K	HPH-30K	HPH-40K
Power Rating	20 kVA 20 kW	30 kVA 30 kW	40 kVA 40 kW
Parallel Configuration	Up to 4 units		
INPUT			
Nominal Voltage	380/400/415 Vac, 3P4W+PE		
Voltage Range	305-478 Vac (100% load); 228-305 Vac (with derating to 70-100% load)		
Frequency Range	40-70 Hz		
Total Harmonic Distortion (THDi)	≤ 3%	≤ 2%	
Power Factor	≥ 0.99 (100% load)		
OUTPUT			
Nominal Voltage	380/400/415 Vac, 3P4W+PE		
Voltage Regulation	±1%		
Frequency	50/60 ± 0.05 Hz		
Total Harmonic Distortion (THDv)	≤ 1.5% (linear load); ≤ 4% (non-linear load)		
Power Factor	1		
Overload Capability	≤ 105%: continues; > 105-110%: 60 mins; > 110-≤ 125%: 10 mins; > 125-≤ 150%: 1 min; > 150%: 1 sec		
Current Crest Ratio	3:1		
EFFICIENCY			
Online Mode	Up to 96%		
Eco Mode	Up to 99%		
BATTERY			
Battery Type	VRLA		
Nominal Voltage	±240 Vdc		
Quantity	30 ⁽¹⁾ -46 pcs		
Maximum Charge Current	15A		
COMMUNICATION INTERFACE			
Display	LCD touchscreen		
Port	Mini Slot x2, USB x1, RS-232 x1, Input dry contact x2, Output dry contact x4, External battery temperature dry contact x1, REPOx1		
Protocols	SNMP, Modbus TCP/IP, HTTP(S), SNTP, SMTP, BOOTP, DHCP, SSH, SFTP, FTP, Telnet, Syslog		
PHYSICAL			
Dimensions (W x D x H)	External Battery Model Integrated Battery Model	240 x 630 x 650 mm 410 x 780 x 1200 mm	
Net Weight	External Battery Model Integrated Battery Model	44 kg 334 kg (with Battery) 94 kg (without Battery)	50 kg 340 kg (with Battery) 100 kg (without Battery)
ENVIRONMENT			
Operating Temperature	0 to 50°C (40 to 50°C de-rating to 90% load)		
Humidity	0-95% (non-condensing)		
Audible Noise	< 50 dBA	< 56 dBA	
Altitude	0-2000 m (derating 1%/100m from 1000-2000 m)		
Storage Temperature	-25 to 70°C		
CONFORMANCE			
Safety	CE, UKCA, RCM		
EMC	IEC 62040-2		
Performance	IEC 62040-3		
Sustainability	RoHS, REACH		
FEATURES			
Standard	Cold start function, Frequency conversion		

(1) 30-34 pcs required load derating

All specifications are subject to change without prior notice.



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