The power behind competitiveness

Delta UPS–Ultron Family

HPH Series, Three Phase

20/30/40 kW

Best-in-class power protection with maximum power and cost efficiency

The Ultron HPH is a true online double-conversion UPS offering the best-in-class combination of maximum available power, unbeatable energy efficiency and superior power performance for small data centers and other mission critical applications requiring highly reliable power protection. With fully rated power (kVA=kW); the Ultron HPH provides maximum available power without de-rating the UPS. Thanks to Triple Level Inverter and Delta's innovative Three Phase PFC topology, it features low iTHD <3%, up to 96 % AC-AC efficiency and 99% efficiency in ECO mode resulting in significant TCO (Total Cost of Ownership) savings. Facilitating increased availability through watch-dog design, the Ultron HPH is an ideal solution for protecting your mission critical operations.

Best-in-Class Power Performance and Efficiency

- Fully rated power (kVA=kW) for maximum available power
- Leading AC-AC efficiency up to 96% saves energy costs
- Low harmonic pollution (iTHD<3%) & 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 reduction in the number of electronic components to lower failure rate
- Redundant auxiliary power enhances system reliability
- Watch-dog design of dual auxiliary power circuit to eliminate single-point failure to ensure reliability
- Built-in manual bypass ensures continuous power to the load even if the UPS is under maintenance

Greater Flexibility

- A wide choice of configurations, such as N+X redundancy, and hot stand-by
- Adjustable charging current and battery voltage meet different battery configuration requirements
- Flexible arrangement of battery quantity from 34 to 50 pcs optimizes battery investment

Excellent Manageability

- Multi-connectivity interface supports remote UPS monitoring and management
- Advanced management software provides remote shutdown, event log tracking and analysis

Datacenter Telecom Industrial Network Security

Banking Lab Medical Metro

Smarter. Greener. Together.

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Model		HPH-20K	HPH-30K	HPH-40K
Power Rating		20KW	30KW	40KW
Input	Nominal Voltage	220/380 Vac; 230/400 Vac; 240/415 Vac		
	Voltage Range	-40% ~ 20% (242 ~ 477/140 ~ 276 Vac) *		
	Frequency	50/60Hz +/- 10Hz		
	Power Factor	> 0.99 (full load)		
	Current Harmonic Distortion	< 3%		
Output	Voltage	220/380 Vac; 230/400 Vac; 240/415 Vac		
	Voltage Regulation	+/-1 %		
	Voltage Harmonic Distortion	< 1.5% (linear load)		
	Overload Capability	≤105 %: continuous; 106%~≤125%: 10 minutes; 126%~≤150%: 1 minute; >150%: 1 second		
	Frequency	50/60Hz +/- 0.05Hz		
Battery	Battery Voltage	+/- 240 Vdc		
	Charge Current		5A	9A
	Charge Voltage	Float charge ±272 V ±2Vdc, Boost Charge ±280V ±2Vdc		
Communication Interfaces		SMART Slot x 1, MINI Slot x 1, Parallel Port x 2, RS232 Port x 1, REPO Port x 1, Charger Detection Port x 1, Input Dry Contact x 2, Output Dry Contact x 6		
Conformance	Safety & EMC	CE, IEC62040-1, IEC602040-2		
Other Features	Emergency Power Off	Yes (local and remote)		
	Maintenance Bypass Switch	Yes		
Efficiency	Online Mode	Up to 96%		
	ECO Mode	Up to 99%		
Environment	Operating Temperature	0 ~ 40 °C		
	Relative Humidity	5% ~ 95% (non-condensing)		
	Audible Noise	< 55 dBA	< 60 dBA	
	Protection Level	IP21		
Physical	Dimensions (W x D x H)	380 x 800 x 800 mm		
	Weight	66.5 Kg	86.5 Kg	

* When input voltage is 242 ~ 324/140 ~ 187 Vac, the sustainable loading is from 70% to 100% of the UPS capacity.
All specifications are subject to change without prior notice.



Control and LCD Display Panel



20 kW Rear View



30/40 kW Rear View



Advanced UPS Management Software - UPSentry 2012



Delta offers a full range of UPS solutions from 600 VA to 4000 kVA to fulfill your power security needs.

2007~ 2008 Forbes Asia's Fabulous 50

2009 Frost & Sullivan Green Excellence Award for Corporate Leadership

Delta's Manufacturing System Certified by ISO 9001 and ISO 14001 Standards

IECQ Certificate of Hazardous Substance Process Management

www.deltapowersolutions.com

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