

The power behind competitiveness

# Delta UPS–Ultron Family

EH Series, Three Phase In - Single Phase Out

10/15/20 kVA

## Power Reliability with the Best Total Cost of Ownership

The Ultron EH series is an online double-conversion 3p-1p UPS which provides reliable power protection for IT rooms, SMBs, telecommunications, banking, medical facilities and industry. Supported with DSP based technology, it offers rapid computation capabilities that enhance system stability and provide precise voltage to load. The Ultron EH series offers many superior features including N+X parallel redundancy and a built-in manual bypass switch to guarantee higher availability and reliability for protecting your critical loads.

### Assured Reliability

- True online double-conversion technology to completely isolate the output power from all input anomalies
- DSP based technology to support rapid computation capability and a simplified control circuit for enhanced stability
- Dual input design to allow different power supply sources for enhanced availability
- Built-in manual bypass to ensure continuous power to the load even if the UPS fails

### Best Total Cost of Ownership

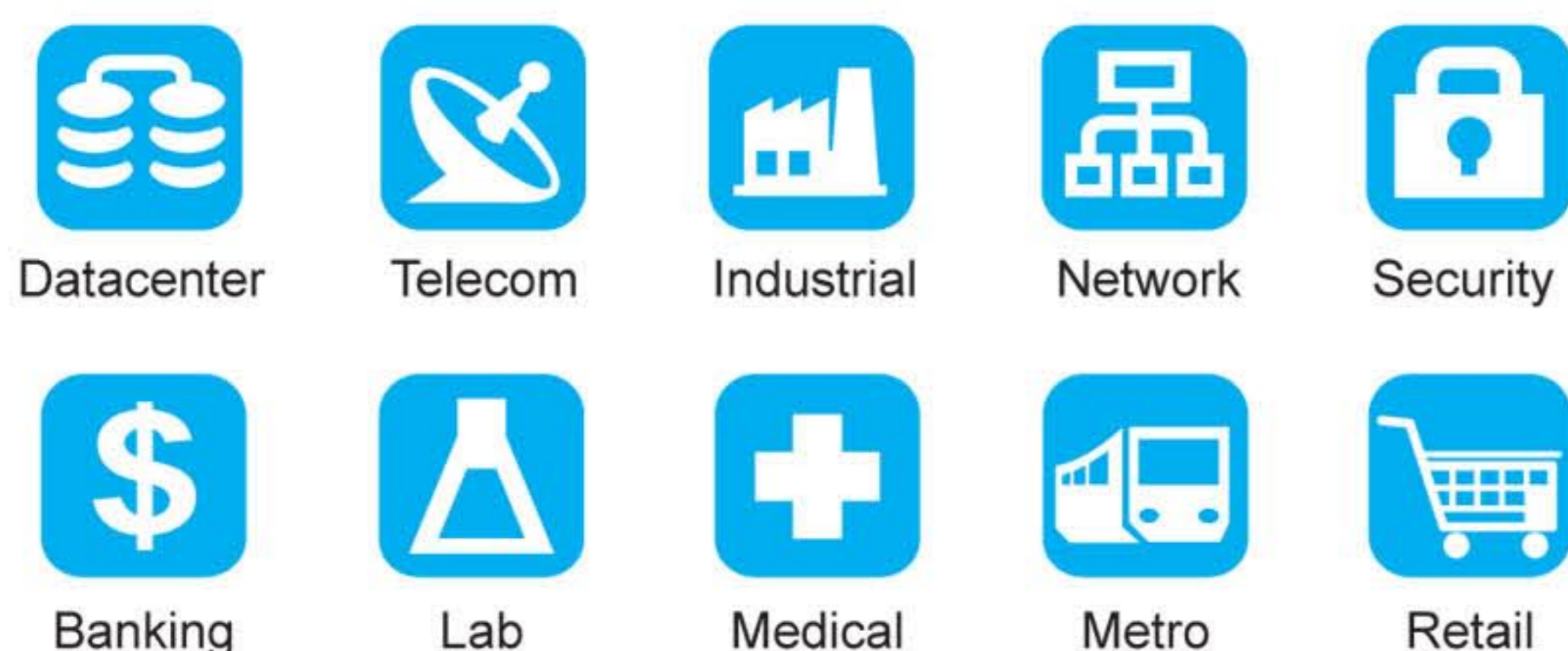
- A wide input voltage range of up to 305~477V to reduce battery discharge probability and prolong battery life
- ECO mode efficiency up to 96% to reduce operating cost
- Small footprint to save space

### High Flexibility

- Parallel expansion and N+X redundancy up to 4 units without requiring additional cards or equipment
- Additional charger and external charger box for flexible capacity expansion
- Remote and local emergency power-off functions (EPO) to promptly manage the UPS when emergencies occur

### Easy Manageability

- Multi-connectivity interface to support remote UPS monitoring and management
- Advanced management software to provide event alert management, remote shutdown event log tracking and analysis
- Reliable battery management for better battery protection



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## Technical Specifications

Model		EH-10K	EH-15K	EH-20K
Power Rating (kVA)		10	15	20
Power Rating (kW)		8	12	16
Input	Nominal Voltage	220/380 Vac, 230/400 Vac, 240/415 Vac		
	Voltage Range	208~304 Vac ( 50%~100% load) / 305~477 Vac (100% load)		
	Power Factor	> 0.95 (full load)		
	Frequency	50/ 60 Hz		
Output	Voltage	220/230/240 Vac		
	Voltage Harmonic Distortion	< 3% (linear load)		
	Voltage Regulation	± 2 %		
	Frequency	50/60 Hz ± 0.1Hz		
	Overload Capacity	≤105 %: continuous; 106%~110%: 10 minutes; 111%~125%: 1 minute; 126%~150%: 30 seconds		
Battery	Battery Voltage	240 Vdc		
	Charge Current	Built-in: 4A Additional charger board (optional): 4A		
	Charge Voltage	Float charge 272 ± 2 Vdc Boost charge 280 Vdc		
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		
Conformance	Safety & EMC	CE, IEC62040-1, IEC62040-2		
Other Features	Emergency Power Off	Local and remote		
	Maintenance Bypass Switch	Built-in		
Efficiency	Online Mode	91%		
	ECO Mode	96%		
Environment	Operating Temperature	0 ~ 40 °C		
	Relative Humidity	5% ~ 95 % (non-condensing)		
	Audible Noise	< 55 dBA	< 60 dBA	
Physical	Dimensions (W x D x H)	200 x 490 x 490 mm	250 x 610 x 650 mm	
	Weight	26 Kg	45 Kg	

All specifications are subject to change without prior notice.



Control and LCD Display Panel



10 kVA Rear View



15/20 kVA Rear View



Advanced UPS Management Software - UPSentry 2012



Delta offers full range 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



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