

Delta UPS – Modulon Family

DPH Series, Three Phase

25-800 kW

Ultimate Availability Without Compromising Power Efficiency

The Modulon DPH supports ultimate availability for datacenter operations and provides the benefit of “pay as you go” without over-sizing the UPS. While achieving ultimate availability, the Modulon DPH does not compromise on power efficiency performance. When availability, efficiency and expanding according to business needs are essential, the Modulon DPH is the ideal UPS system to provide power protection and total cost of ownership (TCO) savings.

Ultimate Availability

- Advanced fault tolerance design achieved by self redundancy to guarantee operation continuity
- Self-synchronization of power and control modules for continuous on-line operation even in the event of control module failure to avoid downtime caused by single point failure
- Hot-swappable key modules and components to ensure Mean Time To Repair (MTTR) close to zero without downtime risk

High Scalability

- Vertical expansion from 25kW to 200kW supporting N+X redundancy in a single rack enclosure to save footprint
- Parallel expansion up to four units without requiring additional hardware
- Variable configurations possible providing the scalable flexibility up to Tier 4 level

Excellent Power Performance and Efficiency

- Full rated power (kVA=kW) to maximize power availability
- High operating efficiency of 95% at 30% light load and 96% from 50% load resulting in marked energy cost savings
- Low harmonic pollution (iTHD<3%) to reduce upstream investment costs and meet demanding power requirements

Easy Maintenance

- Built-in manual bypass features to eliminate maintenance-related downtime
- Proactive detection of fan failure and switch fault for early diagnosis on UPS malfunction
- Plug and play modularity to simplify the maintenance process



Datacenter



Telecom



Industrial



Network



Banking



Security



Lab



Medical



Metro

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Technical Specifications			DPH 25	50	75	100	125	150	175	200
Model		DPH	25	50	75	100	125	150	175	200
Power Rating (kVA)			25	50	75	100	125	150	175	200
Power Rating (kW)			25	50	75	100	125	150	175	200
Input	Nominal Voltage		380/220V, 400/230V, 415/240V (3 phase, 4-wire +G)							
	Voltage Range		176~276 / 305~477 Vac *							
	Current Harmonic Distortion		<3% **							
	Power Factor		> 0.99							
	Frequency		50/60 Hz							
Output	Voltage		380/220V, 400/230V, 415/240V (3 phase, 4-wire +G)							
	Output Power Factor		1 (kVA = kW)							
	Voltage Harmonic Distortion		≤ 2% (linear load)							
	Voltage Regulation		±1% (static)							
	Frequency		50 or 60 Hz							
	Frequency Regulation		±0.05 Hz							
	Overload Capacity		≤ 125%: 10 minutes; ≤ 150%: 1 minute							
Interface	Standard		Parallel port x 2, Smart slot x 2, Dry contact output x 6, Dry contact input x 6, SNMP card x 2, Battery dry contact x 6 SNMP card IPv6, ModBus card, Relay I/O control card,							
	Optional		EnviroProbe, Battery cabinet temperature sensor, Battery cabinet status cable							
Conformance	Safety & EMC		CE, EN62040-1							
Other Features	Parallel Redundancy and Expansion		Module and system redundancy; Maximum 4 units up to 800 kW							
	Emergency Power Off		Local and remote							
	Battery start		Yes							
	Event Log		3000 records							
	External Battery Cabinet		Optional							
Efficiency	AC-AC		96%							
	ECO Mode		99%							
Environment	Operating Temperature		0 ~ 40 °C							
	Relative Humidity		0 ~ 90% (non-condensing)							
	Audible Noise (at one meter)		< 70 dBA							
Physical	Dimensions (WxDxH)		600 x 1090 x 2000 mm							
	Weight		382 kg	414 kg	446 kg	478 kg	510 kg	542 kg	574 kg	606 kg



Control and LCD Display Panel



Scalable and Hot-swappable

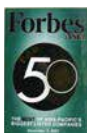


The Modulon DPH is designed in modern IT aesthetics aligned with Delta InfraSuite datacenter solutions.

* When input voltage is 140/242~176/305 Vac, the sustainable loading is from 60% to 100% of the UPS capacity.

** When input harmonic distortion is less than 1%.

All specifications are subject to change without prior notice.



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



QUITO: Elia Liut N45-26 y Edmundo Chiriboga Telf: 02 3936 400 CELULAR: 09 9610 8549
 GUAYAQUIL: Vernaza Norte, Mz. 13, Solar 22 Telf: 04 259 6400 CELULAR: 098 929 9999
 CUENCA: Luis Moscoso s/n y Manuel Ignacio Ochoa Telf: 07 285 4045 CELULAR: 099 570 0700

