

Delta UPS – Modulon Family

DPH Series, Three Phase

15-105kVA, 208V

Fully integrated power solutions in one 42U cabinet for small data center applications

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.

High Integration and Space Saving

- Fully integrated in one 42U cabinet with power supply, battery runtime, static transfer switch and input/output/bypass breakers, not extra solution

Ultimate Availability

- Fully modularized design and hot-swappable modules for easy deployment and maintenance
- Redundant aux power and controller design
- Dual CAN bus to ensure the inherent reliability on signal level
- Battery module’s LED fuse warning indicators can alert operators in the event of a blown fuse

Excellent Power Performance

- Industry-leading high power density of power module: 15kVA/kW in 2U height
- AC-AC conversion efficiency 95% and ECO mode efficiency up to 98.5% with Energy star 2.0 certificated
- Green mode for effective utilization

High Manageability

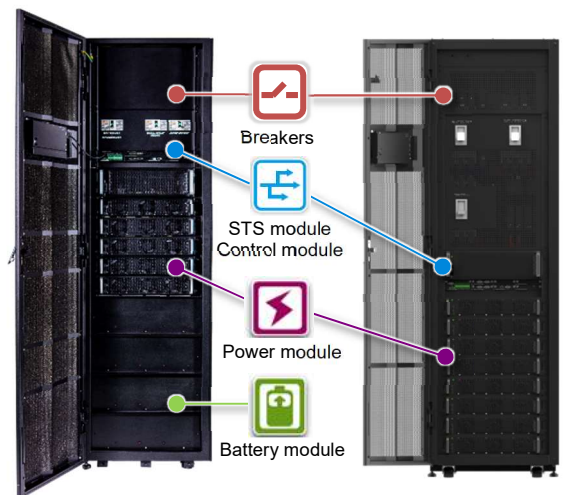
- Environment Management System integration (optional)
- Power consumption trend calculation
- Inbuilt Ethernet and RS485 communication interface
- User-friendly 10” touch panel



DPH 208V UPS



Modular battery cabinet



DPH-60K-LV

DPH-105K-LV



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Technical Specification

Model	DPH-60K-LV		DPH-105K-LV	
Power Rating (kVA/kW)	15, 30, 45, 60		15, 30, 45, 60, 75, 90, 105	
Maximum Power Module Q'ty	4+1 redundancy		7+1 redundancy	
Maximum Battery Module Q'ty (Inbuilt)	16 pcs (4 strings)		N/A	
Input	Nominal Voltage	208/120V, 220/127V (3 phase, 4-wire +G)		
	Voltage Range	166~253 Vac (full load)		
	iTHD	<5% (non-linear); <3%(linear)*		
	Power Factor	> 0.99		
	Frequency	50/60Hz (Auto-Selectable)		
Output	Output Voltage	208/120V, 220/127V (3 phase, 4-wire +G)		
	Voltage Regulation	± 1% (Static); ± 5% (Dynamic)		
	Output Power Factor	Unity		
	THDv	< 2% (Linear); < 5% (Non-linear)		
	AC-AC Efficiency	95%		
	ECO Efficiency	Up to 98.5%		
	Overload Capacity	≤125%: 10 min; ≤150%: 1 min; >150%: 1 sec		
Battery	Nominal Voltage	+/- 168Vdc (+/-14 pcs)		
	Charge Voltage	+/- 190Vdc (adjustable from 182Vdc to 196Vdc)		
	Charge Current	6A Max. per power module		
Physical	Dimension WxDxH	23.62" x 33.46" x 78.74" (600 x 850 x 2000 mm)		
	Weight	UPS System	562.2 lb (255 kg)	619.5 lb (281kg)
		Power Module	46.3 lb (21 kg/ 1pc)	
		Battery Module	51.8 lb (23.5kg/ 1pc, 1 battery module=9Ah battery x 7pcs)	
Environment	Operating Temperature	32 to 104 °F (0 to 40 °C)		
	Storage Temperature	-13 to 167 °F (-25 to 75 °C)		
	Relative Humidity	5~95% non-condensing		
	Audible Noise	<68 dBA**		
Other	Compliance	UL 1778, FCC Class A, Energy Start 2.0		
	Parallel	Maximum 4 units		
	Display	10" Touch Panel		
	Communication Interface	Ethernet, RS485		
Modular battery cabinet	Dimension WxDxH	23.62" x 33.46" x 78.74" (600 x 850 x 2000 mm)		
	Weight	w/ Full Battery module	2123.1 lb (963 kg)	
		w/o Battery module	465.2 lb (211 kg)	
	Maximum number of battery strings	8		
	Maximum number of battery modules	32		

* When input voltage total harmonic distortion input is less than 1%

** Measured by 1 meter of the UPS

All specifications are subject to change without prior notice.



Compact design of 15kW power module in 2U height



10" colorful touch panel at a glance view for friendly indicator.



Hot-swappable modules for meet almost zero downtime



All-in-one solution (available for 60kVA system) & Modular battery cabinet with swappable battery modules