

Delta UPS - Modulon Family

DPH Series, Three Phase, 15 - 60/105 kVA, 208 V

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

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: 15 kVA/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

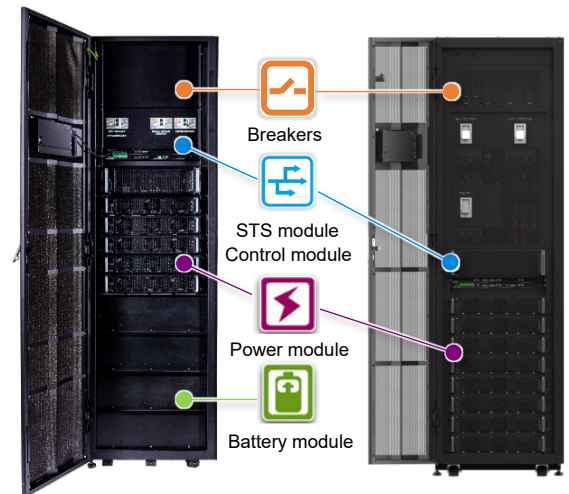
High Manageability

- 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



IT



Telecom



Industrial



Transportation



Financial



Government



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Technical Specifications

Model		DPH-60K-LV	DPH-105K-LV
Power Rating	kVA / kW	15, 30, 45, 60	15, 30, 45, 60, 75, 90, 105
	Power Module Quantity	4+1 redundancy	7+1 redundancy
	Battery Module Quantity	Inbuilt 16 pcs (4 strings)	Modular battery cabinet
Input	Nominal Voltage	208/120 Vac, 220/127 Vac (3 phase, 4-wire +G)	
	Voltage Range	166~253 Vac (full load)	
	iTHD	< 5% (non-linear); < 3%(linear) *	
	Power Factor	> 0.99	
	Frequency	40~70 Hz	
Output	Voltage	208/120 Vac, 220/127 Vac (3 phase, 4-wire +G)	
	Voltage Regulation	±1% (static); ±5% (dynamic)	
	Power Factor	Unity	
	THDv	< 2% (Linear); < 5% (Non-linear)	
	AC-AC Efficiency	95%	
	ECO Efficiency	Up to 98.5%	
	Overload Capability	≤ 125%: 10 minutes; ≤ 150%: 1 minute; > 150%: 1 second	
Display		10" Touch Panel	
Battery	Nominal Voltage	±168 Vdc (±14 pcs)	
	Charge Voltage	±190 Vdc (adjustable from 182 Vdc to 196 Vdc)	
	Charge Current	6A Max. per power module	
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 **	
Others	Compliance	UL 1778, FCC Class A, Energy Start 2.0	
	Parallel	Maximum 4 units	
	Communication Interface	Ethernet, RS485	
Physical	Dimensions (W x D x H)	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 (281 kg)
	Weight: 15 kW Power Module	46.3 lb (21 kg / 1 pc)	
	Weight: Battery Module	51.8 lb (23.5 kg / 1 pc, 1 battery module=9 Ah battery x 7 pcs)	
Modular Battery Cabinet	Dimensions (W x D x H)	23.62" x 33.46" x 78.74" (600 x 850 x 2000 mm)	
	Weight: w/ Full Battery Module	2123.1 lb (963 kg)	
	Weight: 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 15 kW 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

