

# Delta UPS – Modulon Family

DPH Series, Three Phase

60kVA, 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

### Ultimate Availability

- Fully modularized design and hot-swappable modules
- Redundant design and dual CAN bus
- Intelligent battery health diagnosis



### Excellent Power Performance

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

### High Manageability

- Environment management system
- Battery management system
- User-friendly 10” touch panel



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## Technical Specification

Model		New DPH 208V	
Power rating		60kVA/kW	
<b>Input</b>	Nominal Voltage	208/120V, 220/127V (3 phase, 4-wire +G)	
	Voltage Range	166~253 Vac	
	iTHD	<5% (non-linear); <3%(linear)	
	Power Factor	> 0.99	
	Frequency	50/60Hz (Auto-Selectable)	
<b>Output</b>	Output voltage	208/120V, 220/127V (3 phase, 4-wire +G)	
	Voltage Regulation	± 1% (static); ± 5% (dynamic)	
	Output power factor	1	
	THDv	< 2% (Linear) ; < 5% (Non-linear)	
	AC-AC Efficiency	Up to 95%	
	ECO Efficiency	98.5%	
	Overload Capacity	≤ 125%: 10 min ; ≤ 150%: 1 min ; >150%: 1 sec	
<b>Battery</b>	Batt. Type	VRLA	
	Nominal Voltage	+/- 192V (+/-16 pcs)	
	Charge Voltage	±190±2V (Float) ; ±196±2V (Boost)	
	Charge Current	6A Max per power module	
	Battery Numbers	28 pcs/1 string	
<b>Phycial</b>	Dimension WxDxH	600 x 850 x 2000 mm	
	Weight (kg)	UPS System	255 kg
		Power Module	21 kg
		Battery Module	23.7 kg
<b>Enviroment</b>	Operating ambient temperature	0 to 40 °C	
	Storage ambient temperature	-25 to 70 °C	
	Relative Humidity	0~95% non-condensing	
	Audible Noise	<72 dBA	
<b>Other</b>	Safety	UL / cUL, OSHPD/GR-63 Zone 4	
	Energy certificate	ENERGY STAR	
	Parallel redundancy and expansion	Maximum 2 units	
	Display	10" Touch Panel	
	IP Protection	IP20	
	Emergency Power Off	REPO (EPO reserved)	



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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

