

Delta UPS Modulon Family

DPH Series, Three Phase, 20~200 kVA, 380/400/415 Vac

Power Perfected, All Within 42U!

Experience the internationally celebrated Delta Modulon DPH Series UPS—a true standout for data centers worldwide. Renowned for its world leading power module density and unparalleled reliability, this UPS has earned broad recognition in recent years.

Introducing an ingenious 80 kVA solution with an integrated battery, throughfully nested within a 42U rack. Need more power? Explore 200 kVA options when your business surges forward. You are ready to adapt as your business progresses!



Low Total Cost of Ownership

- AC-AC efficiency up to 96.5 % and Eco mode to 99 % optimize energy costs
- Activate Green mode with a load aggregation function to boost system efficiency
- Remarkable power density of 50 kW per module in a 3U height (20 kW / 2U height) offering best space utilization
- Unleash the on-site full-load and full-battery test. No need for load banks, no set-ups-streamline process and cut costs effectively

Maximum Uptime

- Redundant components and dual CAN bus deliver highest system availability and thwart single point of failure
- Power and control modules self-synchronize to prevent downtime from control module failure
- Fully modularized design and hot swappable STS module, power module and controller card ensure minimize Mean Time To Repair (MTTR)
- Integrated manual bypass eliminates maintenance-related downtime
- Pre-warning of key components aging reduces downtime risk (optional)

Easy Management

- Precisely meet your power backup needs now and unlock the ability to effortlessly scale up as your business flourishes
- Color 10" touchscreen provides easy access to UPS information and streamlined operation
- Intuitive LCD integrated UPS system, inbuilt battery and environment information visible and easy to manage
- Built-in USB port provides effortless connectivity to over 10,000 data logs for event diagnosis



IT



Telecom



Industrial



Transportation



Financial



Government



Technical Specifications

Model	DPH-80K-FR	DPH-200K-FR
Power Rating	20/ 40/ 60/ 80 kVA 20/ 40/ 60/ 80 kW	50/ 100/ 150/ 200 kVA 50/ 100/ 150/ 200 kW
Frame Size	80 kW	200 kW
Parallel Configuration	Up to 8 units	
INPUT		
Nominal Voltage	380/ 400/ 415 Vac, 3P4W+PE	
Voltage Range	176~276/ 305~477 Vac (Full Load) 132~176/ 229~305 Vac (De-rated 70 % Load)	
Frequency	40~70 Hz	
Total Harmonic Distortion (THDi)	< 3 %	
Power Factor	> 0.99 (full load)	
OUTPUT		
Nominal Voltage	380/ 400/ 415 Vac, 3P4W+PE	
Voltage Regulation	±1 % (static)	
Frequency	50/60 ± 0.05 Hz	
Total Harmonic Distortion (THDv)	≤ 2 % (Linear Load), ≤ 5 % (Non-linear Load)	
Power Factor	1.0	
Overload Capability	≤ 125 %: 10 minutes; ≤ 150 %: 1 minutes; > 150 %: 1 sec	
Current Crest Ratio	3:1	
EFFICIENCY		
Online Mode	Up to 96.5 %	
ECO Mode	Up to 99 %	
BATTERY		
Battery Type	VRLA/ Vented lead-acid/ Lithium-ion battery	
Nominal Voltage	±240 Vdc	
Quantity	40 pcs	
Charge Current	32 A (Max.)	75 A (Max.)
COMMUNICATION INTERFACE		
Display	10" Color Touch Screen	
Port	RS-485, CAN bus (to communicate with UPS system), EMS(RJ45), BMS(RS-232/RS-485), MODBUS	
PHYSICAL		
Dimensions (W x D x H)	600 x 1109 x 2000 mm	
Net Weight	UPS System Per Power Module Per Battery Module	269 kg 18 kg 32.6 kg
		275 kg 36.9 kg N/A
ENVIRONMENT		
Operating Temperature	0 to 40 °C	
Humidity	0~95 % (non-condensing)	
Audible Noise	< 65 dBA	< 75 dBA
Altitude	0~1,000 m	
Storage Temperature	-20 to +70 °C	
Ingress Protection	IP20	
CONFORMANCE		
Safety	CE, BSMI, RCM	
EMC	IEC 62040-2	
Performance	IEC 62040-3	
Sustainability	RoHS, REACH	
FEATURES		
Burn-in Test without Load Bank	Standard	
Cold Start Function	Standard	
Frequency Conversion	Standard	
Failure Prediction	Standard	
Software Integration with Delta Lithium Battery BMS	Standard	

All specifications are subject to change without prior notice.



Delta Group



Delta Power Solutions



Delta ICT LinkedIn



Delta ICT YouTube

