

Modulon DPH Gen3 Series UPS

Three-phase, 125-1250 kVA, 400 Vac

1250kW in 1m²- Power Beyond Industry Limits

The DPH Gen3 modular UPS delivers exceptional performance, providing 1250 kW of power in just 1 m² - 1.25 times the power of leading competitors. Featuring advanced SiC MOSFET technology and a high-efficiency design, the DPH Gen3 sets a new benchmark for both performance and space efficiency. Engineered to meet the evolving power demands of modern data centers, it helps reduce operational costs while boosting efficiency. Experience the perfect balance of power, efficiency and reliability, all while saving the valuable space the DPH Gen3 UPS!



Cost Efficiency

- SiC MOSFET technology achieve up to 97.5% AC-AC efficiency, maintaining high energy saving even at light loads
- Clean mode reaches up to 99% efficiency, ensure optimal power condition and maximum energy savings
- 125kW in just 3U, space-saving design with support against the wall installation to save valuable space
- Reduce electrical bill by discharging strategically to avoid peak charges and shift consumption to off-peak hours
- Energy recycle mode allows full load and battery discharge testing on-site, cutting costs by eliminating load banks and temporary setups.

Ultimate Reliability

- Inbulit Synchronized Multiple Bus ensures smooth power transition, minimizes transformer inrush current and maintains balanced power from dual source
- Hybrid mode with battery support limits input peak current, preventing generator shutdown and eliminate the need for breaker upgrades
- 110% overload capacity, ensuring continuous operation while competitors are short time-limited
- Enhances UPS performance and extends lifespan through self-diagnosis and key components analysis

Easy Management

- Hot-swappable power module design with front access to minimize MTTR
- 10-inch graphical touchscreen for easy monitoring and configuration
- Integrated communication port for remote monitoring
- Compatible with 3P3W and 3P4W configuration, simplifying global product management for international clients



IT



Telecom



Industrial



Transportation



Financial



Government



Technical Specifications

Model	DPH Gen3-625K	DPH Gen3-1250K ⁽⁴⁾
Power Rating	250/375/500/625 kVA 250/375/500/625 kW	250/375/500/625/750/875/1000/1125/1250 kVA 250/375/500/625/750/875/1000/1125/1250 kW
System Capacity	625 kW	1250 kW
Parallel Configuration	Up to 8 units	
INPUT		
Nominal Voltage	220/380, 230/400, 240/415 Vac, 3P3W+PE ⁽⁴⁾ /3P4W+PE	
Voltage Range	323-477 Vac (100% load); 249-323 Vac (with derating to 70% load)	
Frequency	40-70 Hz	
Total Harmonic Distortion (THDi) ⁽¹⁾	< 1.5% (linear load) < 2% (non-linear load)	
Power Factor (100% load)	>0.99 (full resistor Load)	
Short Circuit Withstand Current	100 kA	
OUTPUT		
Nominal Voltage	220/380, 230/400, 240/415 Vac, 3P3W+PE/3P4W+PE	
Voltage Regulation	±1% (static) ±3% (dynamic)	
Frequency	50/60 ± 0.05 Hz	
Total Harmonic Distortion (THDv)	< 1% (linear load); < 3% (non-linear load)	
Power Factor	1	
Permitted Load Power Factor	Optional, 0.5 leading to 0.5 lagging without derating	
Overload Capability	< 110%: continuously ⁽²⁾ ; ≤ 125%: 10 min; ≤ 150%: 1 min	
Current Crest Ratio	3:1	
EFFICIENCY		
Online Mode	Up to 97.5%	
ECO Mode	Up to 99%	
Clean Mode (VI Mode)	Up to 99%	
BATTERY		
Battery Type	VRLA/Lithium-ion	
Nominal Voltage	480 Vdc	
Quantity	40 pcs, 32 ⁽³⁾ -48 pcs configurable, 12V VRLA Battery)	
Maximum Charge Current/per Module	40 A	
COMMUNICATION INTERFACE		
Display	10-inch color LCD touchscreen	
Port	RS-232, RS-485, USB, RJ45, REPO	
Protocols	SNMP, Modbus, HTTP(S)	
PHYSICAL		
Dimensions (W x D x H)	800 x 1000 x 2000 mm	1000 x 1000 x 2060 mm
Net Weight	System Power module	530 kg 60 kg 800 kg
ENVIRONMENT		
Operating Temperature	0 to 40°C	
Humidity	0-95% (non-condensing)	
Altitude	0-1000 m	
CONFORMANCE		
Safety	CE, BSMI, RCM	
EMC	IEC 62040-2	
Performance	IEC 62040-3	
Seismic Rating	GR63-Zone4	
Sustainability	RoHS, REACH	

(1) When input THDv < 1%

(2) Operation temperature < 30°C

(3) 32~ 38pcs requires load derating

(4) To be released

All specifications are subject to change without prior notice.



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