UPS

Modulon, DPH Series

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

Ultimate Availability

- Advanced fault tolerance design achieved by self redundancy to guarantee operation continuity
- Self-synchronization of power and control modules for continuous on-line operation even in the event of control module failure to avoid downtime caused by single point failure
- Hot-swappable key modules and components to ensure Mean Time To Repair (MTTR) close to zero without downtime risk

High Scalability

- Vertical expansion from 25kW to 200kW supporting N+X redundancy in a single rack enclosure to save footprint
- Parallel expansion up to four units without requiring additional hardware
- Variable configurations possible providing the scalable flexibility up to Tier 4 level

Excellent Power Performance and Efficiency

- Full rated power (kVA=kW) to maximize power availability
- High operating efficiency of 95% at 30% light load and 96% from 50% load resulting in marked energy cost savings
- Low harmonic pollution (iTHD<3%) to reduce upstream investment costs and meet demanding power requirements

Easy maintenance

- Built-in manual bypass features to eliminate maintenance-related downtime
- Proactive detection of fan failure and switch fault for early diagnosis on UPS malfunction
- Plug and play modularity to simplify the maintenance process

Illustrative photo

Application

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Technical specification

Models	DPH 25	DPH 50	DPH 75	DPH 100	DPH 125	DPH 150	DPH 175	DPH 200
Power	25kVA	50kVA	75kVA	100kVA	125kVA	150kVA	175kVA	200kVA
Active power	25kW	50kW	75kW	100kW	125kW	150kW	175kW	200kW
Input	**DPH 25**	**DPH 50**	**DPH 75**	**DPH 100**	**DPH 125**	**DPH 150**	**DPH 175**	**DPH 200**
Nominal voltage	220/380 V_{AC}, 230/400 V_{AC}, 240/415 V_{AC} (3 phase + N + PE)							
Voltage range	176 ~ 276 / 305-477 V_{AC}*							
Current harmonic distortion **	< 3 %							
Power factor	> 0,99							
Frequency	50 / 60 Hz							
Output	**DPH 25**	**DPH 50**	**DPH 75**	**DPH 100**	**DPH 125**	**DPH 150**	**DPH 175**	**DPH 200**
Nominal voltage	220/380 V_{AC}, 230/400 V_{AC}, 240/415 V_{AC} (3 phase + N + PE)							
Output power factor	1 (kVA = kW)							
Voltage harmonic distortion	≤ 2 % (linear load)							
Voltage regulation	± 1 % (static)							
Frequency	50 or 60 Hz							
Frequency regulation	± 0,05 Hz							
Overload	≤ 125 %: 10 minutes; ≤ 150 %: 1 minute							
Interface	**DPH 25**	**DPH 50**	**DPH 75**	**DPH 100**	**DPH 125**	**DPH 150**	**DPH 175**	**DPH 200**
Standard	2x parallel port, 2x Smart slot, 6x dry contact output, 6x digital input, 2x SNMP card, 6x battery digital input							
Optional	SNMP card IPv6, ModBus card, relay I/O control card, EnviroProbe, battery cabinet temperature sensor, Battery cabinet status sensor							
Other features	**DPH 25**	**DPH 50**	**DPH 75**	**DPH 100**	**DPH 125**	**DPH 150**	**DPH 175**	**DPH 200**
Safety and EMC	CE, EN 62040-1							
Parallel redundancy and Expansion	Module and system redundancy; Maximum 4 units up to 800 kW							
Emergency power off	Local and remote							
Battery start	Yes							
Event log	3000 records							
External battery cabinet	optional							
Efficiency	96 % AC-AC / 99 % ECO Mode							
Operating temperature	0°C ~ + 40°C							
Relative humidity	0 ~ 90 % (non-condensing)							
Noise level at 1 m	<62 dBA							
Dimensions (w x d x h)	600 x 1090 x 2000 mm							
Weight	382 kg	414 kg	446 kg	478 kg	510 kg	542 kg	574 kg	606 kg

* When input voltage is 140/242~176/305 Vac, the sustainable loading is from 60% to 100% of the UPS capacity.

** When input harmonic distortion is less than 1%.

A2B, s.r.o. reserves the right to change any specifications without prior notice (V012014)

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