DELPHYS XM

High power density and superior efficiency UPS

300 to 800 kVA/kW

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Energy efficient

Function

DELPHYS XM is a high-efficiency UPS designed with cutting-edge technology to reduce Total Cost of Ownership (TCO). Its ultra-compact footprint, combined with energy efficiency, adaptability, and modular design, creates a perfect synergy that maximises overall performance and benefits.

Advantages

Elevating efficiency: sustainable by nature, designed for performance

High UPS efficiency ratings enabling reduced energy consumption, cooling requirements and CO_2 emissions:

- Up to 99% thanks to Smart Conversion Mode to transfer from line interactive to double conversion mode in 0 ms.
- Up to 97,1% in online double conversion (VFI).
- Energy Saver Mode to maximise the efficiency under low load conditions.

High service efficiency: sustainability performance is further enhanced by digital services, making operations even more efficient and helping to reduce your carbon footprint.

Ensuring proactive and easy maintenance

Optimised maintenance MTTR (Mean Time to Repair) thanks to:

- Upgraded UPS and services connectivity for advanced monitoring and reactive maintenance.
- User-friendly 10'' HMI – easy to operate.
- Full front access and hot-swappable 100 kW modules – easy to maintain.
- No need to access the inside of the UPS – all maintenance can be performed without any cabling work.

Redefining power density

- DELPHYS XM delivers up to 800 kW in just 0.8m², setting a new industry standard.
- Optimised operational footprint: no lateral/rear space required with a dedicated cooling kit.

Best in class adaptability for multiple applications

From ordering to commissioning, DELPHYS XM ensures perfect integration:

- Standardised design and wide range of standard options.
- Lead & Lithium battery compatibility with wide operating voltage range.
- Versatile integration: top or bottom cable entry, common or separated.
- Conformal-coated electronics and IP rating to adapt to site environment.

Guaranteeing uptime with superior resiliency

Designed to eliminate any single point of failure:

- Modular design based on 100 kW modules engineered to avoid fault propagation.
- Intrinsic redundancy (N or N+1) to ensure high protection level under abnormal event.
- Robust and full rated static bypass to sustain abnormal load conditions.

The solution for

- Data centers
- Building
- Industry – light environment
- Infrastructure

Strong points

- Elevating efficiency: sustainable by nature, designed for performance
- Redefining power density
- Best in class adaptability for multiple applications
- Ensuring proactive and easy maintenance
- Guaranteeing uptime with superior resiliency

Conformity to standards

- EN/IEC 62040-1
- EN/IEC 62040-2
- EN/IEC 62040-3

Advantages

DELPHYS XM efficiency in Smart Conversion Mode

42 tons of CO_2 saved considering 50% average load [1]

1. Yearly values calculated for DELPHYS XM 800 kW compared to 97% efficiency UPS.

Expert services

Guarantee proactive maintenance and maximum uptime without compromises with built-in connected services such as:

- Data collect and storage
- Live monitoring
- Expert monitoring 24/7
- Remote diagnostic & troubleshooting

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Standard Electrical features

- Smart conversion mode.
- Energy saver mode.
- Separated or common input mains.
- Top entry connection.
- Withdrawable static bypass.
- Inputs and output switches for single and parallel units (300-600 kVA).
- Maintenance bypass switch for single unit (300-600 kVA).
- TNS grounding system.
- Backfeed protection: detection circuit.
- Conformal-coated PCBs.
- UPS Heat-run mode.
- Cold start.

Electrical options

- Bottom entry connection (side cabinet).
- Kit for top air outlet.
- PEN kit for TN-C grounding system.
- ACS synchronization between two DELPHYS XM systems.
- Battery temperature sensor for lead batteries.

Standard communication features

- User-friendly 10'' touch-screen multilingual color graphic display.
- 3 COM slots for communication optional card.
- Ethernet port for service purpose.

Communication options

- +3 COM slots extension kit.
- Dry-contact interface (configurable voltage-free contacts).
- MODBUS RTU RS485 or TCP.
- NET VISION: professional WEB/ SNMP Ethernet interface for secure UPS monitoring and remote automatic shutdown.
- NET VISION EMD: Environment Temperature and Humidity sensor with 2 inputs.
- Remote View Pro supervision software.

Technical data

UPS MODEL		300	400	500	600	800
Number of 100kW power conversion modules		3	4	5	6	8
Rated Power	(N configuration)	300	400	500	600	800
	(N + 1 configuration)	200	300	400	500	700
Efficiency in Double Conversion Mode(VFI)		Up to 97,1%				
Efficiency in Smart Conversion Mode		Up to 99%				
Parallel capability		Up to 6				Up to 4
INPUTS						
Nominal input voltage		380/400/415 V (3Ph+N+PE)				
Input voltage tolerance (1)		140 to 485 V				
Input connection		Common or separated / top or bottom (2)				
Frequency range		50/60 Hz				
Input power factor / THDi		> 0.99 / < 3% @ full load				
OUTPUT						
Nominal output voltage		380/400/415 V configurable / (3ph + N)				
Frequency range		50/60 Hz ± 0.02 Hz				
Voltage regulation		Static load ±1%,				
Output voltage distortion (THDv)		≤ 1,5 % with rated linear load				
Output voltage performance (load variation 0 - 100%)		Complies with IEC 62040-3 Class 1 (VFI-SS-111)				
Inverter overload capability		125% 10 min / 150% 1 min				
Bypass overload capability		110% permanent / 125% 10 min				
BATTERIES						
Battery type		2 wires, VRLA/Lithium-ion				
Battery connection capability		40-50 Lead battery blocks without derating				
Battery charge current capacity - per module		Configurable up to 30A without UPS power derating (3)				
ENVIRONMENT						
Operating temperature		0 - 40° C				
Humidity		0 - 95% without condensation				
Air flow		From front to rear in STD, from front to top with WALL KIT				From front to rear
Maximum altitude without derating		1500 m (4,900 ft)				
Standard protection rating		IP20				
Frame colour		RAL 7016				
DIMENSIONS AND WEIGHT						
UPS dimensions mm (W x D x H) (2)		800 x 1000 x 2000				
Weight kg		515	565	650	730	900
Clearance	Standard	No rear or lateral clearance for installation and maintenance				
		300 mm rear clearance for air flow				
	Optional	No rear clearance (top air outlet kit)				N/A

(1) Conditions apply.
(2) Standard top entry configuration.
(3) Up to 100 A with power de-rating.