

# DELPHYS XL

## High Power UPS

1200 kVA/kW



Delphys XL is a highly compact UPS with best in class efficiency offering inherent redundancy and allowing by design, fast & safe maintenance operation. A fully resilient UPS architecture eliminating traditional single points of failure.

### Flexible integration with an optimised footprint

- 1200 kVA/kW packed into a compact and optimised design.
- Highly flexible connection to your electrical environment.
- Easy and fast deployment of the entire UPS system.
- Up to 70% space saving when combined with lithium-ion batteries.
- Advanced on-site testing features to certify commissioning.

### Best in class energy management & savings

- 99% efficiency with our Smart Conversion Mode.
- 97% VFI mode as standard.
- «Hot stand-by» for higher system efficiency under low load conditions.
- Multiple advanced operating and testing mode to minimise TCO.
- Ready for grid support functionalities.

### Critical chain interoperability

- Designed to fit any data centre power distribution architecture.
- Advanced functionalities to ensure Genset stability upon restart or significant variation in loads.
- Designed to coordinate perfectly with our downstream connected STS.
- Supports even the most challenging load.

### Unmatched resiliency to maximise availability

- UPS architecture eliminates single point of failure related to traditional monolithic UPS.
- Fault tolerant concept provides double conversion mode redundancy up to 80% of the rated power.
- Self-sufficient power bricks with advanced selective disconnection.
- Based on our field proven high power XL platform.
- Limited number of power converters - each designed to eliminate potential fault propagation for best MTBF.
- Powerful and robust static bypass.

### Easy and safe maintenance supporting low MTTR

- Reduced MTTR supported by cold-extractable power bricks.
- No cabling operation required to slide-out a power brick.
- Front access to all components.
- Safe servicing thanks to “hands outside” maintenance.
- Maintenance station with embedded operating power brick as a spare.
- Option to test the UPS and batteries without load when carrying out maintenance activities.

### The solution for

- Data centres
- Buildings
- Industrial processes

### Strong points

- Space-saving design
- Intrinsic redundancy
- 99% efficiency
- Extractible bricks
- MTTR < 30min
- Power brick as a spare

### Compliance with standards

- EN/IEC 62040-1
- EN/IEC 62040-2
- EN/IEC 62040-3
- EN/IEC 62040-4

### Advantages

99%  
smart  
conversion

97%  
EFFICIENCY

PF 1

kW = kVA

### SoLive UPS



Download on the  
App Store

GET IT ON  
Google Play

## UPS flexibility

- Common or separate rectifier and mains bypass.
- Top and bottom cable entry or bus bar flanges.
- Multiple DC connection capability
- Compatible with different energy storage technologies (e.g. Li-Ion, VRLA, Ni-Cd...).

## Standard electrical features

- Intrinsic redundancy with selective fault disconnection.
- Redundant cooling.
- Unit heat run test - without dummy load bench.
- External breakers position management.
- Energy saver mode.
- Battery temperature sensor.
- Rails and trolley for power brick extraction or cold-swap.

## Electrical options

- Input, output and maintenance bypass switches.
- PEN kit for TN-C grounding system.
- Reinforced battery charger.
- Battery protection tripping kit.
- Smart conversion mode.
- BCR (Battery Capacity Re-injection).
- Redundant electronic power supplies.
- ACS synchronisation system.
- Cold start.
- Maintenance station with spare power conversion brick.
- Advanced genset management.

## Standard communication features

- User-friendly 7" touch-screen multilingual colour graphic display.
- USB port to download UPS reports and log files.
- Ethernet port for service purposes.

## Communication options

- Dry-contact interface (configurable voltage free contacts).
- MODBUS RTU RS485 or TCP.
- PROFIBUS / PROFINET gateway.
- BACnet/IP interface.
- 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.
- Remote touch-screen panel.

## Technical data

		DELPHYS XL
Sn [kVA]		1200
Pn [kW]		1200
Number of units in parallel		up to 4 units
<b>INPUT</b>		
Rated voltage		380/400/415 V
Voltage		400 V 3ph (200 to 480 V <sup>(1)</sup> )
Rated frequency		50/60 Hz + 5 Hz
Power factor / THDI		> 0.99 / < 2.5%
<b>OUTPUT</b>		
Power factor		1 (according to IEC/EN 62040-3)
Rated voltage		400 V 3ph+N (380/415 V configurable)
Rated frequency		50/60 Hz (configurable) ±0.01 Hz - free-running
Voltage distortion (Ph/Ph)		ThdU < 1.5%
<b>BYPASS</b>		
Rated voltage		+ 15% (configurable)
Rated frequency		+ 5% (configurable for genset compatibility)
<b>EFFICIENCY</b>		
Efficiency in double conversion (VFI)		up to 97%
Efficiency in Smart conversion mode		up to 99%
<b>ENVIRONMENT</b>		
Operating ambient temperature		0 to +50 °C <sup>(1)</sup> under ≤ 95% condensation free RH
Cooling airflow		Frontal inlet / Top outlet
Maximum altitude		1000 m without derating
Acoustic level at 1 m		< 75 dBA
Short-circuit withstand (Icw)		100 kA - Symmetrical (without internal fuses)
<b>UPS CABINET</b>		
Dimensions	W	3000 mm
	D	1000 mm
	H	2005 mm
Weight		3200 kg
Degree of protection		IP20 (Top grid IP30)
<b>STANDARDS</b>		
Safety		IEC/EN 62040-1
EMC		IEC/EN 62040-2
Performance		IEC/EN 62040-3
Environmental		IEC/EN 62040-4
Product declaration		CE

(1) Conditions apply. (2) Depth not including doors handles (+ 30 mm).

## Remote monitoring and cloud services

- SoLink: Socomec 24/7 remote monitoring service connecting your installation to the nearest Socomec Service Centre.
- SoLive UPS: mobile app enabling the monitoring of the UPS systems from a smartphone.

