

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-extractible 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

Certifications and attestations



Advantages



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

UPS power rating (35 °C)	1200 kVA / kW
Efficiency in Double Conversion Mode	Up to 97% - certified by third party (TÜV)
Efficiency in Smart Conversion Mode	Up to 99% - certified by third party (TÜV)
Parallel capability	Up to 4 units
INPUTS	
Nominal input voltage	380 / 400 / 415V - 3Ph or 3Ph+N
Input voltage tolerance*	200 to 480V
Input connection	Common or separated / top or bottom
Frequency range	50/60Hz ± 10%
Input power factor / THDi	> 0.99 / < 1.5% @ full load
Power walk-in on Genset	Linear ramp - from 1A/sec to 1000A/sec
OUTPUTS	
Nominal output voltage	400V (380 / 415) 3Ph or 3Ph+N
Frequency range	50/60Hz ± 0.01% (free running)
Voltage regulation	± 1% steady state
Output voltage distortion (THDv)	< 1%
Output voltage performance (load variation 0 - 100%)	Complies with IEC 62040-3 Class 1 (VFI-SS-111)
Inverter overload capability (under rated conditions)	110% 1h / 125% 10 min / 150% 1 min
Bypass overload capability (under rated conditions)	110% continuous / 125% 10 min / 150% 1 min
Inverter short circuit capability	Up to 4090A
Bypass short circuit selectivity	Fuseless architecture
BATTERIES	
Battery type - 2 wires (+/-)	VRLA / Lithium-ion
Battery voltage range	Up to 700V
Battery connection capability	Up to 10 strings (w/o extra cabinet)
Lithium-ion communication	Modbus TCP / dry contact
ENVIRONMENT	
Operating temperature	0 - 40°C
Humidity	0 - 95% without condensation
Air flow	From front to top
Maximum altitude without derating	1000m (3,300 ft)
Standard protection rating	IP20
Seismic rating	Zone 2 / Zone 4 (optional)
Frame colour	RAL 7016
DIMENSIONS AND WEIGHT	
UPS dimensions (W x D x H)	3003 x 1000 x 2005
Weight	3200 kg
Clearance	No rear or lateral clearance for installation and maintenance

Expert services

- SoLink: Socomec 24/7 remote monitoring service connecting your installation to the nearest Socomec Service Centre.
- SoLive UPS: a mobile app to monitor all your UPS systems from a smartphone.
- Maintenance contract.
- Power brick as a spare on site.
- Remote troubleshooting.



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