

DELPHYS BC

Reliable, simple and ready-to-use power protection
from 200 to 300 kVA



GAMME_430 PSD

The solution for

- > Data centre
- > Healthcare
- > Energy
- > Infrastructure & Transport
- > Industry

Strong points

- > A complete, cost-effective solution
- > Tailored to your environment

Conformity to standards

- > IEC/EN 62040-1, AS 62040.1.1, AS 62040.1.2
- > CEM IEC/EN 62040-2, AS 62040.2
- > IEC/EN 62040-3, AS 62040.3
- > CE, RCM (E2376)

Certifications and attestations



Expert services

We offer services to ensure your UPS highest availability:

- > Commissioning
- > On-site intervention
- > Preventive maintenance visits
- > 24-hour call out and rapid on-site repairs
- > Maintenance packages
- > Training



www.socomec.com/services

Function

DELPHYS BC is the complete cost-effective solution for the protection of business critical applications.

Advantages

A complete, cost-effective solution

- Online double conversion mode with an output power factor of 0.9 providing 12 % more active power compare to UPS with a power factor of 0.8.
- Dual input mains allows you to manage independent power sources.
- Increased system availability placing two UPS in parallel for 1+1 redundancy.
- Internal manual bypass for easy maintenance without power interruption (1+1 configuration).
- Multilanguage display.

Tailored to your environment

- Saves space with a reduced footprint and optimized cabinet size.
- Low noise level.
- Compact, lightweight and easy to install.
- No neutral required on rectifier input.
- Two-wire battery connection (only +/-).
- Extended battery life and performance with exclusive EBS battery charging management for increased battery life.

General characteristics

- Dual input mains.
- Integrated maintenance bypass.
- Backfeed protection: detection circuit.
- EBS (Expert Battery System) for battery management.

Electrical options

- External battery cabinet.
- External temperature sensor.
- Additional battery chargers.
- Shared battery.
- Galvanic isolation transformer.
- Parallel kit.
- ACS synchronization system.

Standard communication features

- User-friendly 7" touch-screen multilingual colour graphic display.
- 2 slots for communication options.
- USB port to download UPS report and log file.

Communication options

- Dry-contact interface.
(configurable voltage-free contacts).
- MODBUS RTU RS485 or MODBUS TCP.
- PROFIBUS / PROFINET gateway.
- BACnet/IP interface.
- NET VISION: professional WEB/SNMP Ethernet interface for secure UPS monitoring and remote automatic shutdown.
- REMOTE VIEW PRO supervision software.
- IoT gateway for Socomec cloud services and SoLive UPS mobile app.
- Remote touch-screen panel.
- Additional Com-slot extension.

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.

Technical data

DELPHYS BC		
Sn [kVA]	200	300
Pn [kW]	180	270
Parallel configuration	up to 6 units	
INPUT		
Rated voltage	400 V 3ph	
Voltage tolerance	240 V to 480 V ⁽¹⁾	
Rated frequency	50/60 Hz ± 10 %	
Power factor / THDI	0.99 / < 3 %	
OUTPUT		
Rated voltage	400 V	
Voltage tolerance	static load ± 1 % dynamic load in accordance with VFI-SS-111	
Rated frequency	50/60 Hz	
Frequency tolerance	± 2 % (configurable from 1 % to 8 %)	
Crest factor	3:1	
BYPASS		
Rated voltage	rated output voltage	
Voltage tolerance	± 15 % (configurable with from 10 % to 20 %)	
Rated frequency	50/60 Hz	
Frequency tolerance	± 2 % (configurable for Genset compatibility)	
EFFICIENCY		
Online mode @ 100 % of load	up to 95 %	
ENVIRONMENT		
Operating ambient temperature	from 0 °C up to +40 ⁽²⁾ °C (from 15 °C to 25 °C for maximum battery life)	
Relative humidity	0 % - 95 % without condensation	
Maximum altitude	1000 m without derating (max. 3000 m)	
Acoustic level at 1 m (ISO 3746)	< 68 dBA	< 71 dBA
UPS CABINET		
Dimensions W x D x H	700 x 800 x 1930 mm	1000 x 950 x 1930 mm
Weight	500 kg	830 kg
Degree of protection	IP20	
Colours	RAL 7012, silver grey frontal door	
STANDARDS		
Safety	IEC/EN 62040-1, AS 62040.1.1, AS 62040.1.2	
EMC	IEC/EN 62040-2, AS 62040.2	
Performance	IEC/EN 62040-3, AS 62040.3	
Product declaration	CE, RCM (E2376), UKCA	

(1) Conditions apply.