



DELPHYS BC

Reliable, simple and ready-to-use power protection
from 160 to 300 kVA

Three-phase UPS



The solution for

- > Server rooms
- > Service sector
- > Infrastructure
- > Healthcare sector
- > Light industrial applications

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.
- 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.

Standard electrical features

- 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

- 2 slots for communication options.

Communication options

- ADC interface (configurable voltage-free contacts).
- MODBUS TCP.
- MODBUS RTU.
- PROFIBUS.
- NET VISION: professional WEB/SNMP interface for UPS monitoring and shutdown management of several operating systems.

Remote monitoring service

- LINK-UPS, remote monitoring service that connects your UPS to your Critical Power specialist 24/7.

Technical data

	DELPHYS BC		
Sn [kVA]	160	200	300
Pn [kW]	144	180	270
Parallel configuration	1+1 ⁽¹⁾		
INPUT			
Rated voltage	400 V 3ph		
Voltage tolerance	240 V to 480 V ⁽²⁾		
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 94 %		
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	480 kg	500 kg	830 kg
Degree of protection	IP20		
Colours	RAL 7012, silver grey frontal door		
STANDARDS			
Safety	IEC/EN 62040-1, EN 60950-1, AS 62040.1.1, AS 62040.1.2		
EMC	IEC/EN 62040-2, AS 62040.2		
Performance	VFI-SS-111 - IEC/EN 62040-3, AS 62040.3		
Product declaration	CE, RCM (E2376)		

(1) The standard model is prepared for a 1+1 redundant system. Upon request, it is possible to have connected up to 6 modules in a parallel system.

(2) Conditions apply.