



Business Critical

MASTERYS BC 60-120 kVA - DELPHYS BC 160-200 kVA

Provide quality power to data servers and data centres

Three-phase UPS



The solution for

MASTERYS BC

> Data servers

DELPHYS BC

> Data centres

Certifications



The **MASTERYS BC** series is certified by TÜV SÜD with regard to product safety (EN 62040-1).

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.
- Flexible battery solutions
- Compact, lightweight and easy to install.
- Extended battery life and performance with exclusive EBS battery charging management for increased battery life.

Standard electrical features

- Dual input mains
- Internal manual 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 (DELPHYS BC)
- Galvanic isolation transformer.
- Parallel kit.
- ACS synchronization system.

Standard communication features

- MODBUS/JBUS RTU (MASTERYS BC).
- 2 slots for communication options.

Communication options

- Dry-contact interface.
- Remote mimic panel (MASTERYS BC).
- MODBUS TCP.
- MODBUS/JBUS RTU (DELPHYS BC).
- PROFIBUS.
- NET VISION: professional WEB/SNMP interface for UPS monitoring and shutdown management of several operating systems.

Remote monitoring service

- Remote mobile and web-based surveillance service connected 24/7 to your local Socomec Service Centre.

Technical data

	MASTERYS BC				DELPHYS BC	
Sn [kVA]	60	80	100	120	160	200
Pn [kW]	54	72	90	108	144	180
Parallel configuration	1+1 ⁽¹⁾					
INPUT						
Rated voltage	400 V 3ph + N				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 (can be configured 380/415 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%)					
Overload	125% for 10 minutes, 150% for 1 minute					
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)	< 62 dBA		< 65 dBA		< 68 dBA	
UPS CABINET						
Dimensions W x D x H	444 x 795 x 1400 mm			700 x 800 x 1930 mm		
Weight	180 kg ⁽³⁾	200 kg ⁽³⁾	410 kg	430 kg	480 kg	500 kg
Degree of protection	IP20					
Colours	RAL 7012			RAL 7012, silver grey frontal door		
STANDARDS						
Safety	EN 62040-1 (TÜV SÜD certified), EN 60950-1				EN 62040-1, EN 60950-1	
EMC	EN 62040-2					
Performance	EN 62040-3 (VFI-SS-111)					
Product declaration	CE					

(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. (3) Without batteries.