



Illustrative photo

### Compact, cost-effective protection

- 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.
- Galvanic isolation transformer.
- Parallel kit.
- ACS synchronization system.

### Standard communication features

- Dry-contact interface.
- MODBUS RTU.
- 2 slots for communication options.

### Communication options

- MODBUS interface.
- 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.



# UPS MASTERYS BC

## 100-120 kVA



### Technical data

MASTERYS BC 100-120		
Nominal power (kVA)	100	120
Active power (kW)	90	108
Parallel configuration	1+1 <sup>(1)</sup>	
<b>Input</b>		
Rated voltage	400 V 3ph + N	
Voltage tolerance	240 V to 480 V <sup>(2)</sup>	
Rated frequency	50/60 Hz $\pm$ 10 %	
Power factor / THDI	0.99 / < 3 %	
<b>Output</b>		
Rated voltage	400 V (can be configured 380/415 V)	
Voltage tolerance	static load $\pm$ 1 % dynamic load in accordance with VFI-SS-111	
Rated frequency	50/60 Hz	
Frequency tolerance	$\pm$ 2% (configurable from 1% to 8%)	
Overload	125% for 10 minutes, 150% for 1 minute	
Crest factor	3:1	
<b>Bypass</b>		
Rated voltage	rated output voltage	
Voltage tolerance	$\pm$ 15% (configurable with from 10% to 20%)	
Rated frequency / tolerance	50/60 Hz $\pm$ 2% (configurable for Genset compatibility)	
<b>Efficiency</b>		
Online mode @ 100 % of load	up to 94,5%	
<b>Environment</b>		
Operating ambient temperature	0 to 40 °C (15 to 25 °C for maximum battery life)	
Relative humidity	0 to 95 % without condensation	
Maximum altitude	1000 m without derating (max. 3000 m)	
Noise level at 1 m	<65 dBA	
<b>UPS Cabinet</b>		
Dimension w x d x h	700 x 800 x 1930 mm	
Weight (without batt.)	410 kg	430 kg
Degree of protection	IP20	
Colours	RAL 7012, silver grey frontal door	
<b>Standards</b>		
Safety	EN 62040-1, AS 62040.1.1, AS 62040.1.2	
EMC	IEC/EN 62040-2 class C2, AS 62040.2	
Performance	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.

A2B, s.r.o. reserves the right to change any information without prior notice. (76-000032-01)