



Illustrative photo

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.
- Internal batteries providing more than 1 hour runtime.
- 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

- Dual input mains (60-80 kVA).
- External battery cabinet.
- External temperature sensor.
- Additional battery chargers.
- Galvanic isolation transformer.
- Parallel kit.
- ACS synchronization system.

Standard communication features

- MODBUS RTU.
- 2 slots for communication options.

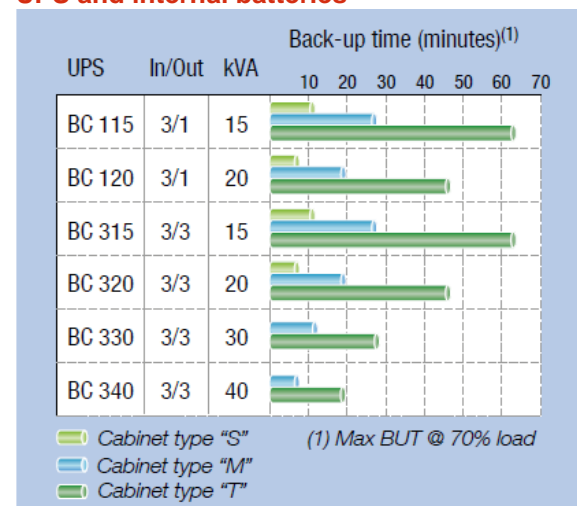
Communication options

- Dry-contact 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 and internal batteries



Cabinet type „S“ – height 800 mm

Cabinet type „M“ – height 1000 mm

Cabinet type „T“ – height 1400 mm



UPS MASTERYS BC

15-80 kVA



Technical data

MASTERYS BC 15-80						
Nominal power (kVA)	15	20	30	40	60	80
Active power (kW)	13,5	18	27	36	54	72
Input / output 3/1	•	•	-	-	-	-
Input / output 3/3	•	•	•	•	•	•
Parallel configuration	1+1 ⁽¹⁾					
Input						
Rated voltage	400 V 3ph + N					
Voltage tolerance	240 V to 480 V ⁽²⁾					
Rated frequency	50/60 Hz ± 10 %					
Power factor / THDI	0.99 / < 3 %					
Output						
Rated voltage	1ph + N: 230 V (can be configured 220/240 V) 3ph + N: 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 / tolerance	50/60 Hz ± 2% (configurable for Genset compatibility)					
Efficiency						
Online mode @ 100 % of load	up to 94,5%					
Environment						
Operating ambient temperature	0 to 40 °C ⁽²⁾ (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	< 52 dBA	< 55 dBA	< 55 dBA	< 55 dBA	< 62 dBA	< 62 dBA
UPS Cabinet						
Dimension w x d x h	444 x 796 x 800/1000/1400 mm				444 x 795 x 1400 mm	
Weight (without batt.)	105 kg	110 kg	135 kg	152 kg	180 kg	200 kg
Degree of protection	IP20					
Colours	RAL 7012					
Standards						
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. (76-000022-01)