

MASTERYS BC+

Designed for easy integration and use from 10 to 20 kVA/kW



A flexible and cost-effective solution

- A compact range of standard product references with a variety of add-on options to adapt to every customer's site.
- Easy to configure for retrofit in existing installations.
- Equipped with manual bypass breaker in standard mode.

Long back-up time engineered-in

- Several optimised choices for standard internal battery configuration.
- Increased internal battery density for reduced footprint and simplified installation.
- High recharging current option for very long back-up time.

Embedded digital technology

- Digital Native UPS generation.
- IoT ready device for access to connected services.
- Easy integration in LAN/WAN and virtual environments.

Fast and easy installation

- Free eRULER online sizing tool to get dimensions and electrical information in advance before installation.
- Tutored UPS installation with eWIRE mobile app.
- Quickly get online product documentation by simply inputting the Serial Number.

Fast delivery

- "Fast track manufacturing" option available for urgent projects or last-minute requirements.
- Fast delivery even for highly customised configurations thanks to easily combined options.

User and environmentally friendly

- 25+ languages available in the mimic panel.
- Ergonomics designed to simplify usage.
- Anticipates eco-regulations and is RoHS compliant.
- Units provided with wheels for easy positioning.

The solution for

- > SME IT networking / computer rooms
- > Control rooms
- > Emergency service
- > Payment systems
- > Public sector
- > Security control

Certifications



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

Advantages



e-WIRE



Connected services



www.socomec.com/tool

Expert services



www.socomec.com/services

System features

- Dual input mains.
- Internal maintenance bypass switch.
- Input switch breaker.
- Output switch breaker.
- Auxiliary mains switch breaker.
- Backfeed protection: detection circuit.
- Internal normal-life batteries.

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.

Standard communication features

- 3.5" multilanguage graphic display.
- 2 slots for communication options.
- Integrated web server.
- Ethernet port for service purposes.

Communication options

- Dry-contact interface (configurable voltage-free contacts).
- MODBUS RTU RS485 or TCP.
- PROFIBUS 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.

System options

- Internal backfeed isolation device.
- Common mains coupling bars.
- TN-C grounding system.
- IP21 degree of protection.
- High capacity battery charger.

Technical data

MASTERYS BC+			
Sn [kVA]	10	15	20
Pn [kW]	10	15	20
Input / output 3/1	•	•	•
Input / output 3/3	•	•	•
Parallel configuration	up to 4 units		
INPUT			
Rated voltage	400 V 3ph+N		
Voltage tolerance	240 V to 480 V		
Rated frequency	50/60 Hz ± 10%		
OUTPUT			
Power factor	1 (according to IEC / EN 62040-3)		
Rated voltage	1ph + N: 230 V (can be configured 220/240 V) 3ph + N: 400 V (can be configured 380/415 V)		
Rated frequency	50/60 Hz		
EFFICIENCY			
Double conversion VFI mode	up to 95%		
Eco Mode	up to 99%		
BATTERY			
Technologies	VRLA, NiCd		
INTERNAL BACK-UP TIME (MINUTES)⁽¹⁾			
COMPACT M3	34	20	14
ENVIRONMENT			
Operating ambient temperature	up to +35 °C		
UPS CABINET			
Weight	depends on the number of batteries installed - contact us		
Degree of protection	IP20 (IP21 on demand)		
Colours	metallised grey E150HVR		
STANDARDS			
Safety	IEC/EN 62040-1		
EMC	IEC/EN 62040-2		
Performance	EN 62040-3		
Environmental	full compliance with the RoHS EU directive		
Product declaration	CE, RCM		

(1) @80% of rated power with load PF 0.9..

UPS dimensions (WxDxH)

