MASTERYS BC+

Designed for easy integration and use
from 30 to 160 kVA

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

95% EFFICIENCY   PF 0.9   RoHS COMPLIANT

e-WIRE

App Store   Google Play

QRCODE 219 A GB

Connected services

www.socomec.com/tool

Expert services

www.socomec.com/services

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.
- Internal basic back-up time available up to 80 kVA.
- 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.

socomec
Innovative Power Solutions

System features

- Dual input mains.
- Internal maintenance bypass switch.
- Output switch breaker.
- Auxiliary mains switch breaker.
- Backfeed protection: detection circuit.
- Power walk-in ramp for full compatibility with generators.
- 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.
- USB port for downloading log file.
- 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

- 3-phase input without neutral.
- Internal backfeed isolation device.
- Common mains coupling bars.
- TN-C grounding system.
- ACS synchronisation system.
- IP21 degree of protection.
- High capacity battery charger.

UPS dimensions (WxDxH)

S4
30-40 kVA
External battery
444 x 800 x 800 mm

M4
60-80 kVA
External battery
444 x 800 x 1400 mm

T6
60-80 kVA
Fitted version
600 x 855 x 1930 mm

M6
100-120 kVA
External battery
600 x 855 x 1400 mm

T6
160 kVA
External battery
600 x 855 x 1930 mm

Technical data

	MASTERYS BC+						
Sn [kVA]	30	40	60	80	100	120	160
Pn [kW]	27	36	54	72	90	108	144
Input / output 3/1	-	-	-	-	-	-	-
Input / output 3/3	•	•	•	•	•	•	•
Parallel configuration	up to 6 units						
INPUT							
Rated voltage	400 V 3ph+N (3 wire input also available on demand)						
Voltage tolerance	240 V to 480 V						
Rated frequency	50/60 Hz ± 10%						
OUTPUT							
Power factor	0.9 (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						
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						