

MASTERYS BC+ FLEX

A system that fits every space
from 10 to 40 kVA



A flexible and cost-effective solution

- The Flex model eliminates space and installation restrictions with the «3-in-1» solution.
- Equipped with an output and manual bypass breaker in standard mode.
- Mimic panel can be rotated to enable the information displayed to be read easily.
- High recharging current option for very long back-up time.

Fast and easy installation

- Easy to configure for retrofit in existing installations.
- Free eRULER online sizing tool to get dimensions and electrical information in advance before installation.
- Quickly get online product documentation by simply inputting the Serial Number

User and environmentally friendly

- 25+ languages available in the mimic panel.
- Ergonomics designed to simplify usage.
- Anticipates eco-regulations and is RoHS compliant.



Example of top-mounted installation.

The solution for

- > SME IT networking / computer rooms
- > Building automation
- > Payment systems
- > Public sector
- > Security control

Certifications



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

Advantages



Expert services



www.socomec.com/services

SoLive UPS



Maximum versatility



MASTE 105

Free-standing
Adaptable to the available space



MASTE 104

Wall-mounted
Zero floor space



MASTE 106

Top-mounted
Easy built-in solution

System features

- Dual input mains (30-40 kVA).
- Internal maintenance bypass switch.
- Output switch breaker.
- Auxiliary mains switch breaker.
- Backfeed protection: detection circuit.
- Full compatibility with generators.
- Internal normal-life batteries.

Standard communication features

- 3.5" multilanguage graphic display.
- 2 slots for communication options.
- USB port for downloading log file.
- Ethernet port for service purposes.

Technical data

| MASTERYS BC+ FLEX | | | | | |
|--------------------------------------|--|------|----|----|----|
| Sn [kVA] | 10 | 15 | 20 | 30 | 40 |
| Pn [kW] | 9 | 13.5 | 18 | 27 | 36 |
| Input / output 3/1 | • | • | • | – | – |
| Input / output 3/3 | • | • | • | • | • |
| Parallel configuration | up to 6 units | | | | |
| INPUT | | | | | |
| Rated voltage | 3ph + N: 400 V (can be configured 380/415 V) | | | | |
| 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 (TÜV SÜD VERIFIED) | | | | | |
| Double conversion VFI mode | up to 95 % | | | | |
| Eco Mode | up to 99 % | | | | |
| BATTERY | | | | | |
| Technologies | VRLA, NiCd | | | | |
| Battery type | Normal life | | | | |
| Configuration | External batteries | | | | |
| ENVIRONMENT | | | | | |
| Operating ambient temperature | up to +40 °C ⁽²⁾ | | | | |
| UPS CABINET | | | | | |
| Dimensions W x D x H (mm) | 442 x 830 x 305 | | | | |
| Weight | 79 kg max ⁽¹⁾ | | | | |
| Display | 3.5" | | | | |
| Degree of protection | IP20 (IP21 on demand) | | | | |
| Colours | metallised grey E150HVR | | | | |
| STANDARDS | | | | | |
| Safety | IEC/EN 62040-1 | | | | |
| EMC | IEC/EN 62040-2 | | | | |
| Performance | IEC/EN 62040-3 | | | | |
| Environmental | full compliance with the RoHS EU directive | | | | |
| Product declaration | CE, EAC, UKCA | | | | |

(1) According to the model. (2) Conditions apply.

System options

- 3-phase input without neutral.
- Internal backfeed isolation device.
- Common mains coupling bars.
- TN-C grounding system.
- ACS synchronisation system.
- High capacity battery charger.
- Free-standing kit.
- Top-mounted kit.

Communication options

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

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.