

# 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

**95%**  
EFFICIENCY

**PF 0.9**

**RoHS**  
COMPLIANT

## Connected services



[www.socomec.com/tool](http://www.socomec.com/tool)

## Expert services



[www.socomec.com/services](http://www.socomec.com/services)

## To know more



Learn more about Edge application by watching our videos on YouTube: [bit.ly/socomec-youtube](https://bit.ly/socomec-youtube)

## 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

## 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				
<b>INPUT</b>					
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%				
<b>OUTPUT</b>					
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				
<b>EFFICIENCY (TÜV SÜD VERIFIED)</b>					
Double conversion VFI mode	up to 95 %				
Eco Mode	up to 99 %				
<b>BATTERY</b>					
Technologies	VRLA, NiCd				
Battery type	Normal life				
Configuration	External batteries				
<b>ENVIRONMENT</b>					
Operating ambient temperature	up to +40 °C <sup>(2)</sup>				
<b>UPS CABINET</b>					
Dimensions W x D x H (mm)	442 x 830 x 305				
Weight	79 kg max <sup>(1)</sup>				
Display	3.5"				
Degree of protection	IP20 (IP21 on demand)				
Colours	metallised grey E150HVR				
<b>STANDARDS</b>					
Safety	IEC/EN 62040-1, AS 62040.1.1, AS 62040.1.2				
EMC	IEC/EN 62040-2, AS 62040.2				
Performance	IEC/EN 62040-3, AS 62040.3				
Environmental	full compliance with the RoHS EU directive				
Product declaration	CE, RCM (E2376)				

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

## System features

- Dual input mains (30-40 kVA).
- 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.

## Standard communication features

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

## 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 mounted 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

- LINK-UPS: 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.