

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 and attestations



La gamme MASTERYS BC+ FLEX est certifiée par TUV SUD concernant la sécurité (norme EN 62040-1).



Avantages



Expert Services



SoLive UPS



Maximum versatility



Free-standing
Adaptable to the available space



Wall-mounted
Zero floor space



Top-mounted
Easy built-in solution

Technical data

MASTERYS BC+ FLEX					
Sn [kVA]	10	15	20	30	40
Pn [kW]	10	15	20	30	40
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	40-70 Hz				
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 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.

System options

- 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.