MASTERYS BC+

Designed for easy integration and use
from 10 to 160 kVA

Function

MASTERYS BC+ is a cost effective solution, easy to configure and to order, and has been designed to meet specific customer needs within commercial, light industrial and public sector organisation. Thanks to an innovative approach - based on modern web and mobile digital tools - every step of the life cycle has been simplified. From the upstream product selection stage and configuration, to the sizing, installation and optimisation of the operation, this new system delivers easyness and effectiveness to every hardworking infrastructure.

Advantages

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 80 kVA, without additional external battery cabinet.
- 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
- A wide range of UPS from 10 to 160 kVA with the same performance and functionality.
- 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 lastminute 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
- Healthcare
- Industry

Strong points
- A flexible and cost-effective solution
- Long back-up time engineered-in
- Embedded digital technology
- Fast and easy installation
- Fast delivery
- User and environmentally friendly

Conformity to standards
- IEC/EN 62040-1, IEC/EN 62040-2
- EN 62040-3
- CE
- UKCA
- EAC

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

Advantages
95% EFFICIENCY · RoHS COMPLIANT · PF 1 (10-60 kVA)

eWIRE
eWIRE — Download on the App Store — GET IT ON Google Play

QRCODE 219 A GB

socomec Innovative Power Solutions

General characteristics

- Dual input mains (30-120 kVA).
- Internal maintenance bypass switch.
- Output switch breaker.
- Auxiliary mains switch breaker.
- Backfeed protection: detection circuit.
- Full compatibility with generators
- Internal normal-life batteries up to 80 kVA.

Standard communication features

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

Electrical 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.
- Internal long-life batteries.

Communication options

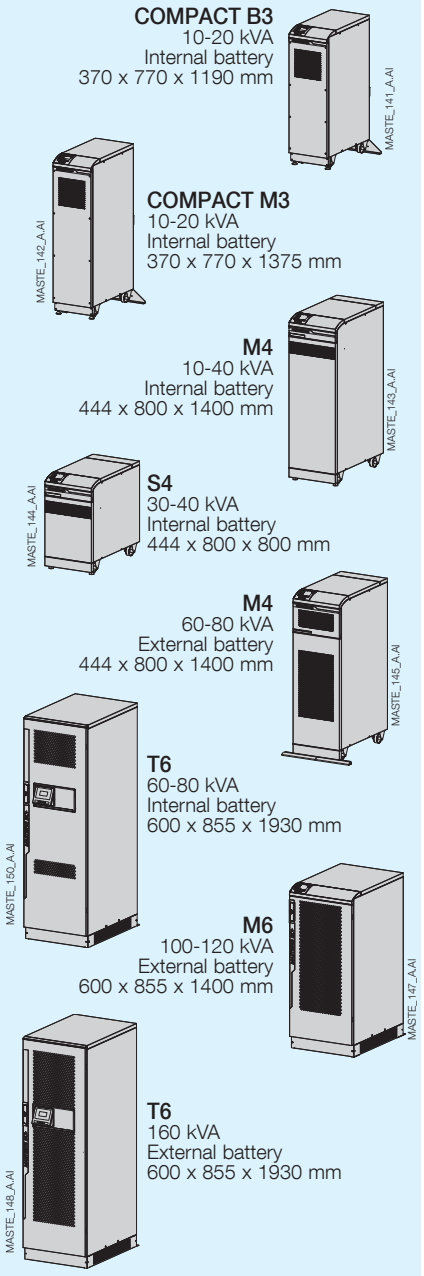
- Dry-contact interface (configurable voltage-free contacts).
- MODBUS RTU RS485 or TCP.
- PROFIBUS / PROFINET gateway.
- BACnet/IP interface.
- NET VISION: professional WEB/ SNMP Ethernet interface for secure UPS monitoring and remote automatic shutdown.
- REMOTE VIEW PRO supervision software.
- IoT Gateway for Socomec cloud services and SoLive UPS mobile app.
- Remote touch-screen panel.

Technical data

	MASTERYS BC+									
Sn [kVA]	10	15	20	30	40	60	80	100	120	160
Pn [kW]	10	15	20	30	40	60	72	90	108	144
Input / output 3/1	•	•	•	-	-	-	-	-	-	-
Input / output 3/3	•	•	•	•	•	•	•	•	•	•
Parallel configuration	up to 6 units (1)									
INPUT										
Rated voltage	400 V 3ph+N (3 wire input also available on demand)									
Voltage tolerance	240 V to 480 V									
Rated frequency	40-70 Hz									
OUTPUT										
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)(2)										
COMPACT B3	22	13	9	-						
COMPACT M3	35	22	15	-						
M4	101	66	46	28	20	-				
S4	-			9	6	-				
T6	-					13	9	-		
ENVIRONMENT										
Operating ambient temperature	up to +35 °C (3)									
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, EAC, UKCA									

(1) Up to 4 units for MASTERYS BC+ compact (2) @80% of rated power with load PF 0.9. (3) Max +50 °C conditions applied

UPS dimensions (WxDxH)



Expert services

Our services guarantee the highest level of availability to your UPS:

- > Technical advice
- > Commissioning
- > Manufacturer training
- > Maintenance contracts including digital services