

MASTERYS BC+ 208V

Designed for easy integration and use
from 10 to 60kVA



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 either 1 switch or 4 switches for input, output, batteries and bypass mode.

Long back-up time engineered-in

- Several optimised choices for standard internal battery configuration.
- Increased internal battery sensity for reduced footprint and simplified installation.
- Internal basic runtime available up 30 kVA, without additional external battery cabinet.

Embedded digital technology

- Digital Native UPS generation.
- IoT ready device for access to connected services.

Fast and easy installation

- A wide range of UPS from 10 to 60 kVA with the same performance and functionality.
- Quick UPS installation.
- Quickly get online product documentation.

Fast delivery

- North-American stock available for urgent projects or last minute requirements.
- Fast delivery even for customized configurations thanks to easily combined options.

User and environmentally friendly

- 5 languages available in the mimic panel.
- Ergonomics designed to simplify usage.
- Units provided with wheels for easy positioning.

The solution for

- > SME IT networking / computer rooms
- > Banks
- > E-Medical
- > Medical Services
- > Telecom & media infrastructure
- > Transport
- > Control rooms

Certifications

- > UL 1778 5th Edition
- > CSA 22.2 107.3 -05



- > UL 60950-11
- > IEC 62040-1

Advantages



* 40-60kVA

Certifications

We offer services to ensure your UPS highest availability:

- > Commissioning
- > On-site intervention
- > Preventive maintenance visits
- > 24-hour call out and rapid on-site repairs
- > Maintenance packages
- > Training

System features

- Dual input mains
- Internal maintenance bypass switch
- Output switch breaker
- Auxiliary mains switch breaker
- Backfeed protection: detection circuit
- Full compatibility with generators
- Internal long-life batteries up to 30 kVA

Standard communication features

- 5" multilanguage touch screen graphic display
- Serial port RS232
- USB port
- Dry contacts
- Remote Emergency Power Off
- Programmable opto-isolated contacts
- 2 slots for communication options
- Parallel ports (40-60kVA – Cable not included)

System options

- 1 or 4 switches system
- Paralleling kits
- External battery cabinets
- External wrap around bypass
- Temperature sensor for battery cabinet

Communication options

- UTP Ethernet connection - slot-in card SNMP V3
- 3 input, 8 programmable output card (for 10-30kVA)
- Provides 230V relay contacts + ESD port
- MODBUS / TCP
- BACNET / IP

Technical data

MASTERYS BC + 208V						
Sn [kVA]	10	20	30	40	50	60
Pn [kW]	9	18	27	40	50	60
Parallel configuration	Up to 6 units			Up to 4 units		
Input						
Rated voltage	208 V 3ph+N					
Voltage tolerance	167 V to 249 V					
Rated frequency	50/60Hz +/- 10%					
Input power factor / THDi	< 3%					
Output						
Rated voltage	208 V / 220 V 3ph+N					
Rated frequency	50 / 60 Hz					
Output voltage distortion (THDv)	< 3%					
Output coltage performance (load variation 0 - 100%)	Complies with IEC 62040-3 Class 1 (VFI-SS-111)					
Inverter overload capability (under rated conditions)	103% continuous / 110% 60 min / 125% 10 min / 150% 1 min					
Bypass overload capability (under rated conditions)	110% continuous / 125% 60 min / 150% 10 min / 200% 1 min					
Efficiency						
Double conversion VFI mode	Up to 95%					
Eco Mode	Up to 98%					
Battery						
technologies	VRLA AGM/GEL/NiCd					
Configuration	Internal or External			External		
Environmental						
Operating ambient temperature	32 - 104 °F / 0 - 40 °C					
Relative humidity	5-95% without condensing					
Dimensions and Weight						
Dimensions WxDxH	21.7x32.7x59.0'' / 550x830x1500mm			23.6x38.6x63.0'' / 600x980x1600mm		
Weight	324	324	340	591	613	613
Standard						
Safety - feature	UL 1778 5th Edition CSA C22.2 107.3 -05 and Annex NNN, UL 60950-11, IEC 62040-3					
EMC	FCC Part 15 Subpart J class A					

Dimensions

