MASTERYS *MC*

Complete cost-effective protection
from 10 to 80 kVA

MASTE 071 A

MASTE 070 A

The solution for

> Industrial networks
> Servers
> Telecommunications
> Medical and laboratories

Our dedicated Expert Services for UPS

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

www.socomec.com/services

A complete, cost-effective solution

- Designed to protect production processes and IT applications.
- Separate rectifier supply and bypass networks for 3 / 1 models.
- Internal manual bypass for easy maintenance without power interruption.
- LAN network interface for remote UPS management and supervision.
- Scalable power or increased system availability placing up to 6 units in parallel.
- Redundant batteries based on two independent strings connected in parallel ensuring the back-up time even in the event of failure of one string.
- Flexible battery solutions.

Tailored to your environment

- Saves space with a reduced footprint and optimized cabinet size.
- Low noise level.
- Compact, lightweight and easy to install.
- Extended battery life and performance with exclusive EBS battery charging management for increased battery life.
- Color graphical display with up to 30 languages embedded, including simplified and traditional Chinese.

Some models may not be available in your country – please check with your local sales office.

socomec
Innovative Power Solutions

MASTERYS MC
Complete cost-effective protection
from 10 to 80 kVA

Technical data

MASTERYS MC							
Sn (kVA)	10	15	20	30	40	60	80
Pn (kW)	8	12	16	24	32	54	72
Input / output 3 / 1	•	•	•	-	-	-	-
Input / output 3 / 3	•	•	•	•	•	•	•
Parallel configuration	up to 6 units						
INPUT							
Rated voltage	400 V 3ph + N						
Voltage tolerance	220 V to 240 V						
Rated frequency	50 / 60 Hz ± 10 %						
Power factor / THDI	0.99 / < 3 %						
OUTPUT							
Rated voltage	1ph + N: 230 V (can be configured 220 / 240 V) 3ph + N: 400 V (can be configured 380 / 415 V)						
Voltage tolerance	static load ±1 % dynamic load in accordance with VFI-SS-111						
Rated frequency	50 / 60 Hz						
Frequency tolerance	± 2 % (configurable from 1 % to 8 %)						
Overload	125 % for 10 minutes, 150 % for 1 minute						
Crest factor	3:1						
BYPASS							
Rated voltage	rated output voltage						
Voltage tolerance	± 15 % (configurable with from 10 % to 20 %)						
Rated frequency	50 / 60 Hz						
Frequency tolerance	± 2 % (configurable for Genset compatibility)						
EFFICIENCY							
Online mode @ 100 % of load	up to 93 %						
ENVIRONMENT							
Operating ambient temperature	from 0 °C to + 40 °C (from 15 °C to 25 °C for maximum battery life)						
Relative humidity	0 % - 95 % without condensation						
Maximum altitude	1000 m without derating (max. 3000 m)						
Acoustic level at 1 m (ISO 3746)	< 55 dB				< 62 dB		
UPS CABINET							
Dimensions W x D x H	444 x 795 x 800 mm					-	
Weight (without batteries)	90 kg	95 kg	105 kg	115 kg	130 kg	-	-
Dimensions W x D x H	444 x 795 x 1400 mm						
Weight (without batteries)	118 kg	123 kg	125 kg	136 kg	156 kg	200 kg	210 kg
Degree of protection	IP20						
Colours	RAL 7012						
STANDARDS							
Safety	IEC/EN 62040-1-1, AS 62040.1.1, AS 62040.1.2						
EMC	IEC/EN 62040-2, AS 62040.2						
Performance	IEC/EN 62040-3, AS 62040.3						
Product declaration	CE, RCM (E2376)						

(1) Conditions apply.

Standard electrical features

- Dual input mains.
- Internal manual bypass.
- Backfeed protection: detection circuit.
- EBS (Expert Battery System) for battery management.

Electrical options

- External battery cabinet for extended back-up time.
- External temperature sensor.
- Additional battery charger.
- Parallel kit.
- ACS synchronization system (3 / 3).
- External maintenance bypass.

Standard communication features

- Multilanguage display including simplified and traditional chinese.
- 2 slots for communication options.
- MODBUS RTU.
- Dry-contact interface (configurable voltage-free contacts).
- Ethernet interface for UPS monitoring via WEB pages.

Communication options

- Dry-contact interface (configurable voltage-free contacts).
- MODBUS RTU RS485 or MODBUS 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 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.