

# **MASTERYS MC**

# Complete cost-effective protection

from 10 to 80 kVA



#### 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

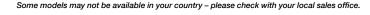


## A complete, cost-effective solution

- 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.



## Complete cost-effective protection from 10 to 80 kVA

#### Technical data

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C- (IAIA)	10	45		IASTERYS M		00	00	
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 $\pm 1\%$ 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	1 x 795 x 800	mm			_	
Weight (without batteries)	90 kg	95 kg	105 kg	115 kg	130 kg	-	-	
Dimensions W x D x H		,		x 795 x 1400				
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		IFC	/EN 62040-1-	1, AS 62040.1	I.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)							

<sup>(1)</sup> Conditions apply.

#### Standard electrical features

- Dual input mains.
- Internal manual bypass.
- Backfeed protection: detection circuit.
- EBS (Expert Battery System) for battery management.
- Multilanguage display including simplified and traditional chinese.

#### 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

- MODBUS/JBUS RTU.
- 2 slots for communication options.
- Additional RS232 interface.
- Embedded LAN interface (web pages, email).

#### Communication options

- Dry-contact interface.
- Remote mimic panel.
- PROFIBUS.
- NET VISION: professional WEB/SNMP interface for UPS monitoring and shutdown management of several operating systems.

#### Remote monitoring service

 LINK-UPS, remote monitoring service that connects your UPS to your Critical Power specialist 24/7.