

# MASTERYS GP4

Superior reliability and performance  
from 10 to 160 kVA/kW



## Superior design and reliability

- Oversized design margin: reliability first.
- Certified seismic resistance.
- Superior and officially attested MTBF.
- Long product life expectancy.

## Unrivalled serviceability

- Innovative maintenance thanks to brick architecture.
- Rapid repairs: 5 times faster than legacy UPS.
- Totally front access maintenance.

## Embedded digital technology

- IoT ready device for access to connected services.
- eWIRE mobile app for AR guided installation and reporting.
- SOLIVE UPS mobile app for remote control and anomaly notification.
- Easy integration in LAN/WAN and virtual environments.

## Certified performance

- Full performance up to 40 °C without derating and without specific conditions.
- Energy savings - without compromise: 96.5% efficiency in VFI.
- Up to 99% efficiency in "ECO" mode.
- Performance tested and verified by TÜV SÜD.

## User and environmentally friendly

- Ergonomics designed to simplify usage.
- Ready for upcoming eco-regulations.
- RoHS compliant.
- Halogen-free cables.
- 25+ languages available on the mimic panel.

## Extended and flexible back-up time

- High density internal battery engineering reduces footprint significantly.
- Internal battery up to 80 kW included.
- Fast recharge - even for very long back-up time.
- Li-Ion battery technology-ready.

## The solution for

- > Small & medium-sized data centres
- > Banks
- > Medical facilities
- > Medical devices
- > Telecom & media infrastructure
- > Transport
- > Control rooms

## Certifications



The MASTERYS GP4 series is certified by TÜV SÜD with regard to product safety (EN 62040-1).



Seismic resistant  
The MASTERYS GP4 units have successfully passed severe tests to verify their resistance to withstand Zone 4 seismic events.

## Advantages



Ready for Li-Ion battery

## Designed for availability

- > MTBF VFI\*: 350,000 hrs

\* Officially attested.

## e-WIRE



QR CODE 219\_A\_GB



## System features

- Dual input mains.
- Internal maintenance bypass switch.
- Input mains switch breaker.
- Output switch breaker.
- Auxiliary mains switch breaker.
- Backfeed protection: detection circuit.
- Power walk-in ramp for full compatibility with generators.
- Normal and long-life battery.
- Common or shared battery for N+1 configuration.

## Standard communication features

- User-friendly 7" touch screen with multilingual colour graphic display (60-160 kVA/kW).
- 2 slots for communication options.
- USB port for downloading UPS report and log file.
- Ethernet port for service purposes.

## System options

- 3-phase input without neutral.
- Internal backfeed isolation device.
- Common mains coupling bars.
- TN-C grounding system.
- ACS synchronization system.
- IP21 degree of protection.
- Top cabling kit.
- Top ventilation kit.
- Redundant bypass fan.
- Seismic bracing kit.

## Technical data

MASTERYS GP4										
Sn [kVA]	10	15	20	30	40	60	80	100	120	160
Pn [kW]	10	15	20	30	40	60	80	100	120	160
Input / output 3/1	•	•	•	-	-	-	-	-	-	-
Input / output 3/3	•	•	•	•	•	•	•	•	•	•
Parallel configuration	up to 6 units									
INPUT										
Rated voltage	400 V 3ph+N (3 wire input also available on demand)									
Voltage tolerance	240 V to 480 V									
Rated frequency	50/60 Hz ± 10%									
OUTPUT										
Power factor	1 (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 96.5%									
Eco Mode	up to 99%									
BATTERIES										
Technologies	VRLA, NiCd, Li-Ion Battery									
Battery configuration	separated or shared									
	internal - external					external				
INTERNAL BACK-UP TIME (MINUTES) <sup>(1)</sup>										
Type S4	32	19	13	7	5					
Type M4	104	62	43	25	18					
Type T6						9	7			
RELIABILITY (MTBF)										
MTBF (VFI)	> 350,000 hrs (attested)									
MTBF (UPS)	> 10,000,000 hrs (attested)									
ENVIRONMENT										
Operating ambient temperature	full performance up to +40 °C (without specific conditions)									
UPS CABINET										
Type S4 - Dimensions W x D x H (mm)	444 x 800 x 800									
Type M4 - Dimensions W x D x H (mm)	444 x 800 x 1400									
Type M6 - Dimensions W x D x H (mm)						444 x 855 x 1400				
Type T6 - Dimensions W x D x H (mm)									600 x 855 x 1930	
Weight	depends on the number of batteries installed - contact us									
Display	3.5" (7" touch option)					7" touch				
Degree of protection	IP20 (IP21 on demand)									
Colours	RAL 7016									
ADVANCED SERVICE PERFORMANCE										
Life extension	service programme to avoid end of life									
Quick repair	5 times less MTTR than legacy UPS by removable front access parts									
STANDARDS										
Safety	IEC/EN 62040-1, AS 62040.1.1, AS 62040.1.2									
EMC	IEC/EN 62040-2, AS 62040.2									
Performance	IEC/EN 62040-3, AS 62040.3									
Environmental	full compliance with the RoHS EU directive									
Seismic compliance	on demand, in accordance with the Uniform Building Code UBC-1997 Zone 4									
Product declaration	CE, RCM (E2376)									

(1) Max BUT @ 80% of the load.

## 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.
- User-friendly 7" touch screen with multilingual colour graphic display (10-40 kVA/kW).

## 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.

### Connected services



[www.socomec.com/tool](http://www.socomec.com/tool)

### Expert services



[www.socomec.com/services](http://www.socomec.com/services)