

MASTERYS GP4

Superior reliability and performance
from 10 to 160 kVA/kW

Superior



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



Download on the
App Store



Scanneer op
Google Play

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) ⁽¹⁾																		
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.

Connected services



www.socomec.com/tool

Expert services



www.socomec.com/services