

# MASTERYS GP4 RK

Tailored protection for Edge computing  
from 10 to 40 kVA/kW



GREEN\_238.PSD

Whilst organisations are outsourcing to colocation and cloud service providers, they are also investing heavily in local Edge computing to meet new and evolving requirements: data security, analytics, maintaining control of mission-critical applications, IoT development programmes and augmented reality experience.

### Certified performance

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

### Embedded digital technology

- IoT-ready device for access to connected services .
- SoLive UPS mobile app for remote control and anomaly notification.
- Easy integration in LAN/WAN and virtual environments.
- Safe guided repair procedure.

### Engineered for easy integration

- Fits within existing 19” cabinet.
- Lithium battery option.
- Fast recharge - even for very long back-up time.

### Front access maintenance

- Easy maintenance - innovative brick swap architecture.
- Power brick replacement without rack disconnection.
- Minimized risk of human error.
- Rapid repairs: 5 time faster than legacy UPS.

### The solution for

- > Edge data centres
- > Banks
- > Telecom & media infrastructure

### Certifications and attestations



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



### Advantages



Ready for Li-Ion battery

### Designed for availability

- > MTBF VFI\*: 500,000 hrs

\* Officially attested.

### SoLive UPS



Download on the App Store

GET IT ON Google Play

### Expert Services



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

## System features

- Dual input mains.
- Internal maintenance bypass switch.
- Input mains switch breaker.
- Output switch breaker.
- Auxiliary mains switch breaker.
- Backfeed protection: detection circuit.
- Full compatibility with generators.

## Standard communication features

- 3.5" multilanguage graphic display.
- 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 synchronisation system.

## 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.

## Remote monitoring and cloud services

- SoLink: 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.

## Technical data

MASTERYS GP4 RK					
Sn [kVA]	10	15	20	30	40
Pn [kW]	10	15	20	30	40
Input / output 3/1	•	•	•	-	-
Input / output 3/3	•	•	•	•	•
Parallel configuration	up to 6 units				
<b>INPUT</b>					
Rated voltage	400 V 3ph+N				
Voltage tolerance	240 V to 480 V				
Rated frequency	40-70 Hz				
<b>OUTPUT</b>					
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				
<b>EFFICIENCY (TÜV SÜD VERIFIED)</b>					
Double conversion VFI mode	up to 96.5%				
Eco Mode	up to 99%				
<b>BATTERY</b>					
Technologies	VRLA, NiCd, Li-Ion Battery				
Battery type	normal life - long life				
Configuration	external separated or shared				
<b>RELIABILITY (MTBF)</b>					
MTBF (VFI)	> 500,000 hrs (attested)				
MTBF (UPS)	> 12,000,000 hrs (attested)				
<b>ENVIRONMENT</b>					
Operating ambient temperature	full performance up to +40 °C (without specific conditions)				
<b>UPS CABINET</b>					
19" rack height	7U				
Dimensions W x D x H (mm)	442 x 820 x 305				
Weight	79 kg max <sup>(1)</sup>				
Display	3.5"				
Backup battery	external batteries				
Degree of protection	IP20				
Colours	RAL 7016				
<b>ADVANCED SERVICE PERFORMANCE</b>					
Life extension	service programme to avoid end of life				
Quick repair	5 times less MTTR than legacy UPS by removable front access parts				
<b>STANDARDS</b>					
Safety	IEC/EN 62040-1				
EMC	IEC/EN 62040-2				
Performance	IEC/EN 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, EAC, UKCA				

(1) According to the model.