



MODULYS GP

Unique, fully modular and redundant solution
Green Power 2.0 range from 25 to 600 kVA/kW

Three-phase UPS

new



GREEN 118 A

Fully modular system

- Plug-in power module.
- Plug-in battery module.
- Plug-in bypass module.
- Output distribution module.
- Top-bottom connection module.
- Top-air exhaust module.

'Forever Young' concept

- Based on set of modules + electronics-free cabinet.
- Eliminates end-of-life criticality.
- Module compatibility guaranteed for 20 years.
- Allows for the implementation of future module technology.

Totally redundant design

- N+1, N+2 redundancy level.
- Designed for no single point of failure.
- No centralized parallel control.
- Totally independent power modules.

Enhanced serviceability performance

- Fast & safe maintenance based on hot-swap modules.
- Ready for concurrent maintenance.
- Exclusive life cycle extension service program.

The solution for

- > Computer rooms
- > Data centers
- > Banks
- > Healthcare facilities
- > Insurance
- > Telecom

Advantages

- > Ensuring absolute business continuity
- > Aligning capacity to business demand
- > Optimizing costs over the full life cycle

Certifications and attestations



Green Power 2.0 MODULYS GP is certified by TÜV SÜD with regard to product safety (EN 62040-1)

Green Power 2.0 MODULYS GP efficiency & performance are tested and verified by TÜV SÜD



SERMA TECHNOLOGIES

Green Power 2.0 MODULYS GP power module MTBF is calculated and verified higher than 600000 hours by SERMA TECHNOLOGIES (IEC 62380)



Advantages



Ready for Li-Ion battery



Better performance than the EU Code of Conduct on efficiency of AC UPS

Standard electrical features

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

Electrical options

- External maintenance bypass.
- External battery cabinet.
- High capacity battery charger.
- ACS synchronization system.

Standard communication features

- User-friendly multilingual interface with color graphic display.
- Commissioning wizard.
- 2 slots for communication options.

Remote monitoring service

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

Communication options

- Dry-contact, RS232/485 interfaces.
- MODBUS RTU.
- MODBUS TCP.
- BACnet/IP interface.
- NET VISION: professional WEB/SNMP interface for UPS monitoring and shutdown management of several operating systems.

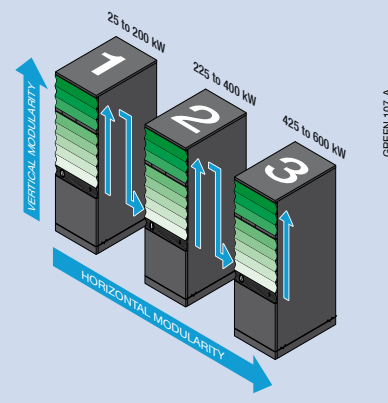
Technical data

MODULYS GP			
UPS SYSTEM			
Power (Sn)	25 to 200 kVA		
Power (Pn)	25 to 200 kW		
Number of power modules	1 to 8		
Input / output	3/3		
Redundant configuration	N+x		
Parallel configuration	up to 600 kW (up to 3 systems)		
INPUT			
Voltage	400 V 3ph+N (340 V to 480 V)		
Frequency	50/60 Hz ±10%		
Power factor / THDI	> 0.99 / < 3%		
OUTPUT			
Voltage	380/400/415 V ±1% 3ph+N		
Frequency	50/60 Hz ±0.1%		
Voltage distortion	< 1% (linear load), < 4% (non-linear load according IEC 62040-3)		
Short-circuit current	up to 3 x In		
Overload	125% for 10 minutes, 150% for 1 minute		
Crest factor	3:1		
BYPASS			
Voltage	rated output voltage ±15% (configurable with from 10% to 20%)		
Frequency	50/60 Hz ±2% (configurable for GenSet compatibility)		
EFFICIENCY (TÜV SÜD VERIFIED)			
Online double conversion mode	up to 96.5%		
ENVIRONMENT			
Ambient temperature	0 °C to 40 °C (15 to 25 °C for maximum battery life)		
Relative humidity	0 to 95% without condensation		
Maximum altitude	1000 m without derating (3000 m max)		
Acoustic level at 1 m	< 55 dBA		
SYSTEM CABINET			
Dimensions W x D x H	600 x 890 x 1975 mm		
Weight (empty cabinet)	210 kg		
Degree of protection	IP20		
STANDARDS			
Safety	IEC/EN 62040-1, EN 60950-1, AS 62040.1.1, AS 62040.1.2		
EMC	IEC/EN 62040-2 Class C2, AS 62040.2		
Performance	VFI-SS-111 - IEC/EN 62040-3, AS 62040.3		
Product declaration	CE, RCM (E2376)		
POWER MODULE			
Height	3U		
Weight	34 kg		
Type	Hot plug-in / Hot-swappable		
MTBF	> 600 000 hours (calculated and verified)		
BATTERY MODULE			
Type	Acid leak-proof - Long Life batteries		
Protection	Single fuse for each battery box		
BATTERY CABINETS			
	S modular battery cabinet	M modular battery cabinet	High capacity battery cabinet
Dimensions W x D x H	600 x 890 x 1975 mm	810 x 910 x 1975 mm	810 x 910 x 1975 mm
Number of battery bays	12	12	Blocks

Vertical and horizontal scalability

With its vertical and horizontal modularity, the MODULYS GP range offers power scalability of up to 600 kW, ideal for unscheduled site upgrades or incremental power evolutions.

The installed power of a single system can be increased up to 200 kW by adding power modules for incremental steps of 25 kW. Higher power and flexibility can be offered by putting up to 3 systems in horizontal parallel configuration to reach 600 kW.



Find out more



<http://www.socomec.com/en/modulys-gp-20>