MODULYS XS

The ultimate modularity for the most critical environments
from 2.5 to 20 kVA/kW

View our video
to discover more

Designed with no single point of failure, the MODULYS XS offers high availability and redundant power supply to very critical applications.

With its flexible modularity providing seamless and risk-free power scalability up to 20 kW, the MODULYS XS range is the ideal solution for unscheduled site upgrades or incremental power evolutions. The installed power can be increased up to 20 kW by adding hot-swap plug-in power modules for incremental steps of either 2.5 kW or 5 kW.

The solution for

> Small data centres
> Edge data centres
> Branch office
> Computer networks
> Telecom & media nodes
> Light industrial applications
> Transportation control/signals

Strong points

> Fully modular system
> Totally redundant design
> 'Forever Young' concept
> Enhanced serviceability performance

Compliance with standards

> IEC 62040-1
> IEC 62040-2
> EN 50581
> IEC 63000

Certifications and attestations

TÜV SÜD
Production monitored
Safety tested

MODULYS XS is certified by TÜV SÜD with regard to product safety (EN 62040-1)

RoHS COMPLIANT

EU CODE OF CONDUCT ELITE UPS

Fully modular system

- Pluggable and hot-swapped power module with system's self-setting during installation.
- All the modules can be swapped without switching to external manual bypass.
- Hot swappable battery module designed to be installed with power module in the same UPS enclosure.

'Forever Young' concept

- 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+X redundancy level.
- Totally independent power modules to avoid any single point of failure.
- Real selective module disconnection with galvanic separation.
- Distributed parallel control.

Enhanced serviceability performance

- Fast & safe maintenance based on hot-swap modules.
- Designed for concurrent maintenance.

Advantages

PF 1

kW = kVA

Li-Ion

1 000 000 HOURS MTBF

Ready for Li-Ion battery

SoLive UPS

App Store
Google Play

GAMME_876.EPS

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Standard electrical features

- Dual input mains.
- Built-in backfeed protection.
- EPO (Emergency Power Off).
- EBS (Expert Battery System) for battery management.
- Tropicalised (Conformal Coating) boards.

Standard communication features

- User-friendly 7" touch-screen multilingual colour graphic display (MC models).
- LCD multilingual graphic dispaly (RM models).
- 2 slots for communication options.
- USB port to download UPS report and log file.
- Ethernet port for service purpose.

Communication options

- Dry-contact interface (configurable voltage-free contacts).
- MODBUS RTU RS485 or MODBUS TCP.
- BACnet/IP interface.
- NET VISION: professional WEB/ SNMP Ethernet interface for secure UPS monitoring and remote automatic shutdown.
- IoT gateway for Socomec cloud services and SoLive UPS mobile app.
- Remote touch-screen panel.

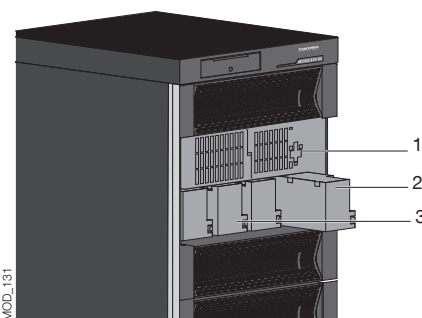## Remote monitoring and cloud services

- 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

MODULYS XS[1]					
UPS SYSTEM					
Model		MC		RM	
Power slot	9		6	4	3
Power (Sn)		up to 20 kVA			up to 15 kVA
Power (Pn)		up to 20 kW			up to 15 kW
Power factor			1		
Number of power modules			4		3
Input/Output			X/1		
Redundant configuration			N+x		
INPUT					
Rated voltage		230 V 1ph+N (±20%), 400 V 3ph+N (±20%)			
Frequency		50/60 Hz ±10%			
Power factor		> 0.99			
OUTPUT					
Voltage		230 V (1ph) ± 3% (can be set 208/220/240 V)			
Frequency		50/60 Hz ±2% (±0.1% in battery mode)			
Overload		110% for 1 minutes, 130% for 10 seconds, 200% for 5 cycles			
BYPASS					
Voltage		rated output voltage ±15%			
Frequency		50/60 Hz ±2% (configurable for GenSet compatibility)			
EFFICIENCY					
Online double conversion mode		up to 92.8%			
ENVIRONMENT					
Ambient temperature		0 to 40 °C (15 to 25 °C for maximum battery life)			
Relative humidity		0 to 95% without condensation			
Maximum altitudine		2000 m without derating			
UPS CABINET					
Display		7" touch		3.5"	
Dimensions (mm) / W	550		550	449	449
Dimensions (mm) / D	635		635	570	570
Dimensions (mm) / H	1460		1060	708	575
Weight (kg) (empty cabinet)	120		90	50	44
Colour		RAL 7016			
Degree of protection		IP20			
STANDARDS					
Safety		IEC 62040-1: 2017 (CB Report)			
EMC		IEC 62040-2: 2005			
Product declaration		CE, RCM (E2376), UKCA, EAC			

(1) Longer back-up time available on demand.

Unit dimensions and weights

MOD_131

1. Plug-in Power Module
2. Plug-in Battery Module
3. Plug-in Battery Pack

	POWER MODULES	
Power (kVA/kW)	2.5	5
Input/Output	1/1	X/1
Dimensions (mm) W x D x H	446x475x131	446x475x131
Weight (kg)	14	18

	BATTERY MODULE
Battery voltage	48 V
Dimensions (mm) W x D x H	446x475x131
Weight (kg)	10

	BATTERY PACK
Type	sealed lead-acid (normal-life & long-life)
Battery voltage	48 V
Weight (kg)	9

MODULYS XS
Single-phase UPS
from 2.5 to 20 kVA/kW

MODULYS XS MC:
for critical IT & non-IT applications
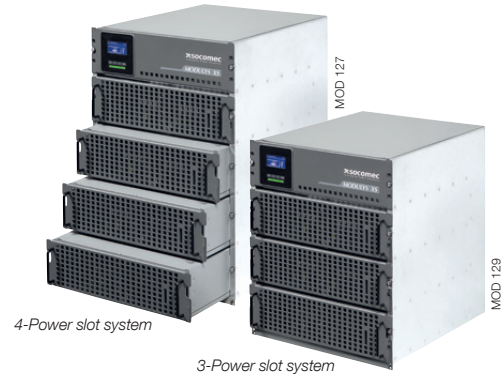

9-Power slot system

6-Power slot system

Total resilience
- Electronics-free (failure-free) cabinet.
- Totally independent and self-sufficient power modules.
- No centralised control for parallel and load sharing management.

Maximum availability
- Fast recovery of lost redundancy thanks to minimum MTTR (Mean Time To Repair).
- No risk of downtime during power upgrading and maintenance.
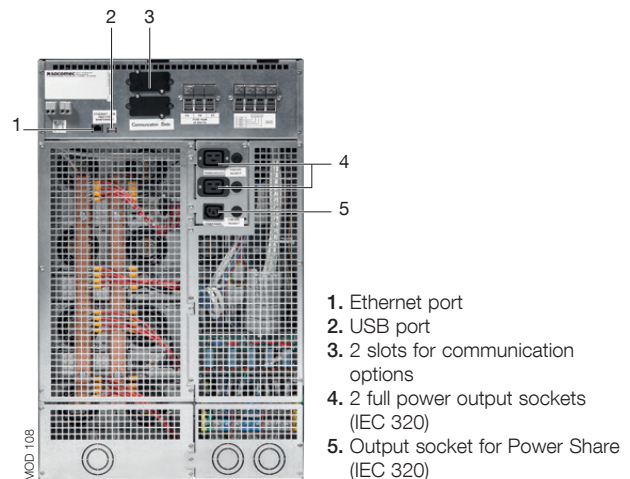- No risk of failure propagation.

MODULYS XS RM:
for integration in 19" rack cabin

4-Power slot system

3-Power slot system

Easy to integrate
- Specifically designed for integration in 19" standard rack cabinets.
- Adjustable rails and mounting accessories.
- Easy to manage, integrate and customise.
- Flexible simplified cabling

Compact sub-rack enclosure

1. Ethernet port
2. USB port
3. 2 slots for communication options
4. 2 full power output sockets (IEC 320)
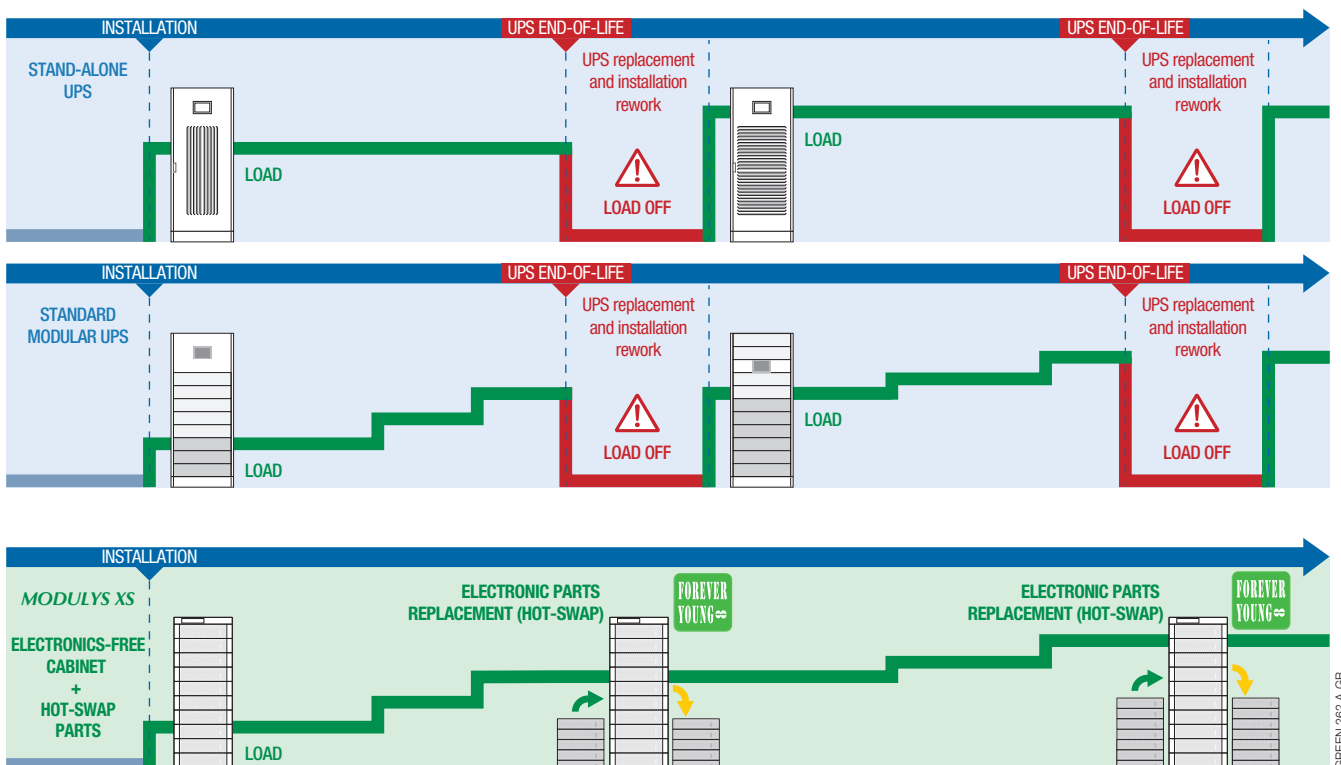**5.** Output socket for Power Share (IEC 320)

On-demand solution

For long back-up time, MODULYS XS system can be equipped with high capacity battery for your specific requirement. To discover more, please contact your Socomec expert.

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MODULYS XS "Forever Young" concept

- It eliminates issues surrounding the criticality of the UPS system's end-of-life.
- It is based on:
  - a modular, electronics-free UPS cabinet - thus failure-free and with no ageing,
  - plug-in components - quick and easy to replace avoiding ageing issues.
- It allows the life-cycle of the MODULYS XS to be extended via periodic hot-swap replacement of power modules and other electronic parts before they start to age and wear out.

- Each renewal:
  - ensures a new start for the MODULYS XS system's life-cycle,
  - avoids all the problems and risks associated with substituting the UPS,
  - provides an always up-to-date system, as the new parts will incorporate the latest technology.

STAND-ALONE UPS — INSTALLATION / UPS END-OF-LIFE / UPS replacement and installation rework / LOAD / LOAD OFF

STANDARD MODULAR UPS — INSTALLATION / UPS END-OF-LIFE / UPS replacement and installation rework / LOAD / LOAD OFF

MODULYS XS ELECTRONICS-FREE CABINET + HOT-SWAP PARTS — INSTALLATION / ELECTRONIC PARTS REPLACEMENT (HOT-SWAP) / FOREVER YOUNG / LOAD

GREEN 262 A GB