

MODULYS XS

Ultra-modular single-phase UPS

from 2.5 to 20 kVA/kW



Function

MODULYS XS is an ultra-modular single-phase UPS designed for critical applications requiring continuous availability and flexibility. Ideal for site upgrades or incremental power growth, it offers seamless and risk-free scalability from 2.5 to 20 kW. With hot-swappable modules and decentralised architecture, it ensures high reliability without a single point of failure, while simplifying maintenance and long-term system evolution.

Advantages

Reliability meets scalability

Power module:

- MTBF far beyond the market standard.
- Built-in galvanic isolation.
- Power-module fault isolation ensures the rest of the system remains fully protected.
- Tropicalised power modules (conformal-coating).

No single point of failure:

- Totally independent intelligence per module with distributed parallel control
- Autonomous operation control logic within each module for enhanced resilience and seamless power scalability.

Risk-free hot-swap technology

- Application recovery in under 2-minutes - safe, automatic and carried out by you.
- Based on unique, field-proven Socomec technology.
- Hot-swappable process for power modules and electronic boards.
- Plug-in battery packs to scale backup time.
- Full front access for safe and fast maintenance.

Safety ensured at every step:

- Off-powered connection to eliminate arcing and ensure safe handling.

Built to evolve with your application – year after year

The Forever Young concept ensures a lower TCO and reduced environmental impact by extending the UPS lifecycle through hot-swappable part replacement - no shutdown, no redesign.

- Guaranteed compatibility for 20+ years
- Modernise and scale during operation - no downtime, no unnecessary system or installation changes.
- Long-term spare parts availability and full service support.

The solution for

- > Buildings
- > IT rooms
- > Healthcare
- > Infrastructure & Industry

Norms

- > EN/IEC 62040-1
- > AS 62040-1 EN/IEC 62040-2
- > AS 62040-2 IECCEB Scheme EN/IEC 62040-3
- > AS 62040-3

Certificates

- > TUV SÜD
(Product Safety EN 62040-1, efficiency)



- > EU Elite UPS
- > ROHs, Reach
- > PEP ecopassport

Eligible Services

Our services guarantee the highest level of availability for your UPS:

- > Technical advice
- > Commissioning
- > Manufacturer training
- > Maintenance contracts including digital services

Sustainability advantages

- > Potential for up to 88% recyclability
- > UPS lifecycle extended with Forever Young concept
- > Manufactured in line with ISO 14001 certification
- > Remote maintenance for reduced transport costs

General characteristics

- 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 display (RM & TC 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.

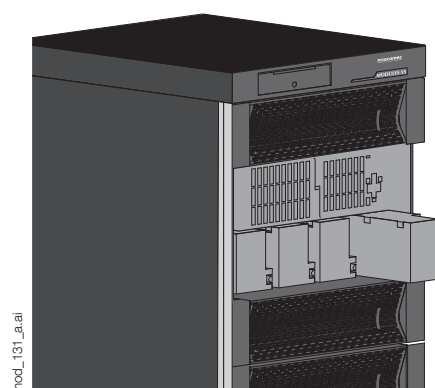
Remote monitoring and cloud services

- 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		MC		RM	
Model		9	6	4	3
Power slot		up to 20 kVA			up to 15 kVA
Power (Sn)		up to 20 kW			up to 15 kW
Power (Pn)		1			
Power factor		4			3
Number of power modules		X/1			
Input/Output		N+x			
Redundant configuration					
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
	D	635	635	570	570
	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: 2019 (CB Report)			
EMC		IEC 62040-2: 2006			
Product declaration		CE, RCM (E2376), UKCA, EAC			

Unit dimensions and weights



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	446 x 475 x 131	446 x 475 x 131
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

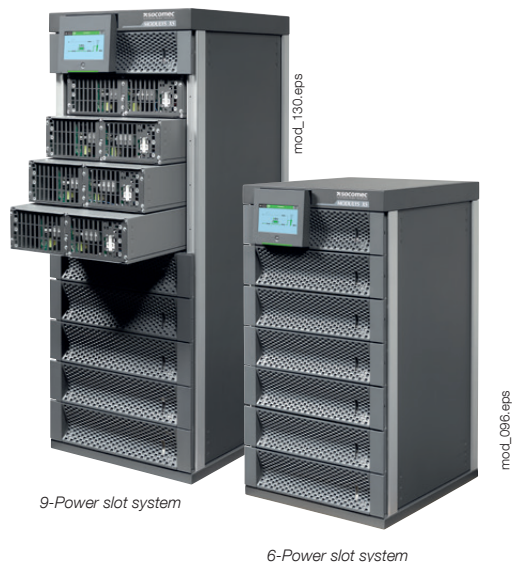
(1) Longer back-up time available on demand.

MODULYS XS

Single-phase UPS

from 2.5 to 20 kVA/kW

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



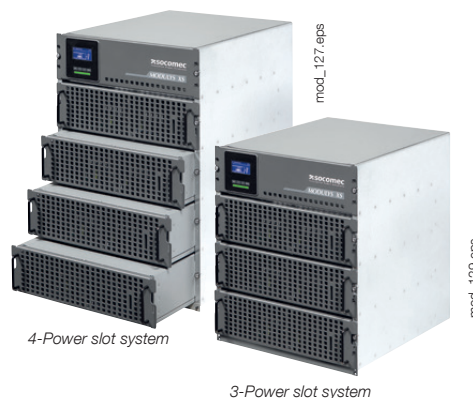
Total resilience

- 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.

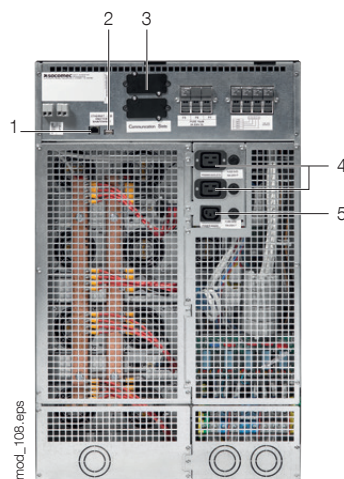
MODULYS XS RM:
for integration in 19" rack cabin



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



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.

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.

