

MODULYS XS

Ultra-modular single-phase UPS

from 2.5 to 20 kVA/kW



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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 IEC/IE CB 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.

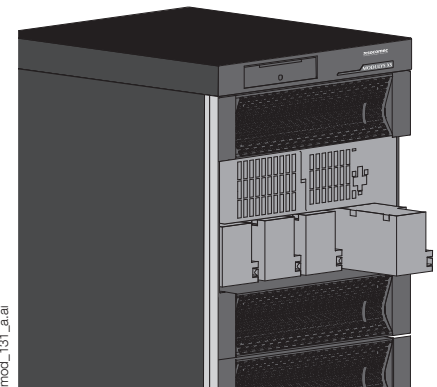
Remote monitoring and cloud services

- 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 | | | | | |
| 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 altitude | | 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 |

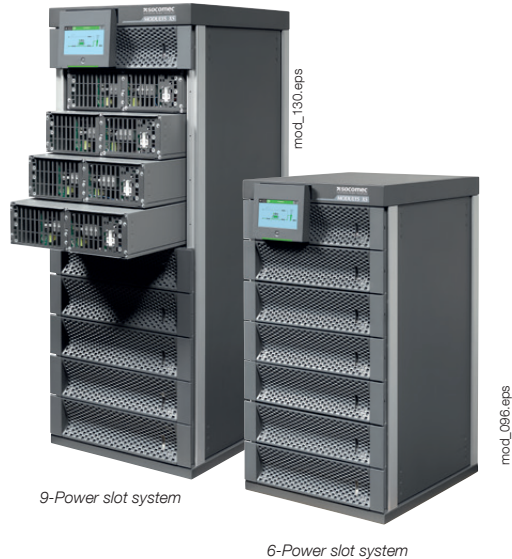
(1) Longer back-up time available on demand.

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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.

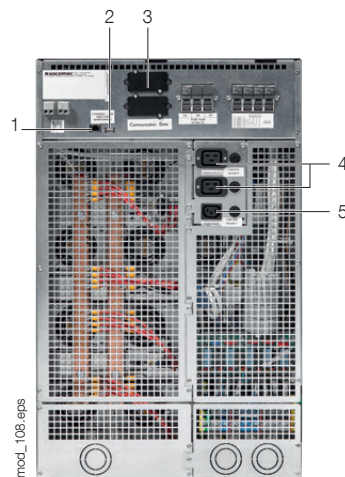
MODULYS XS RM:
for integration in 19" rack cabin



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



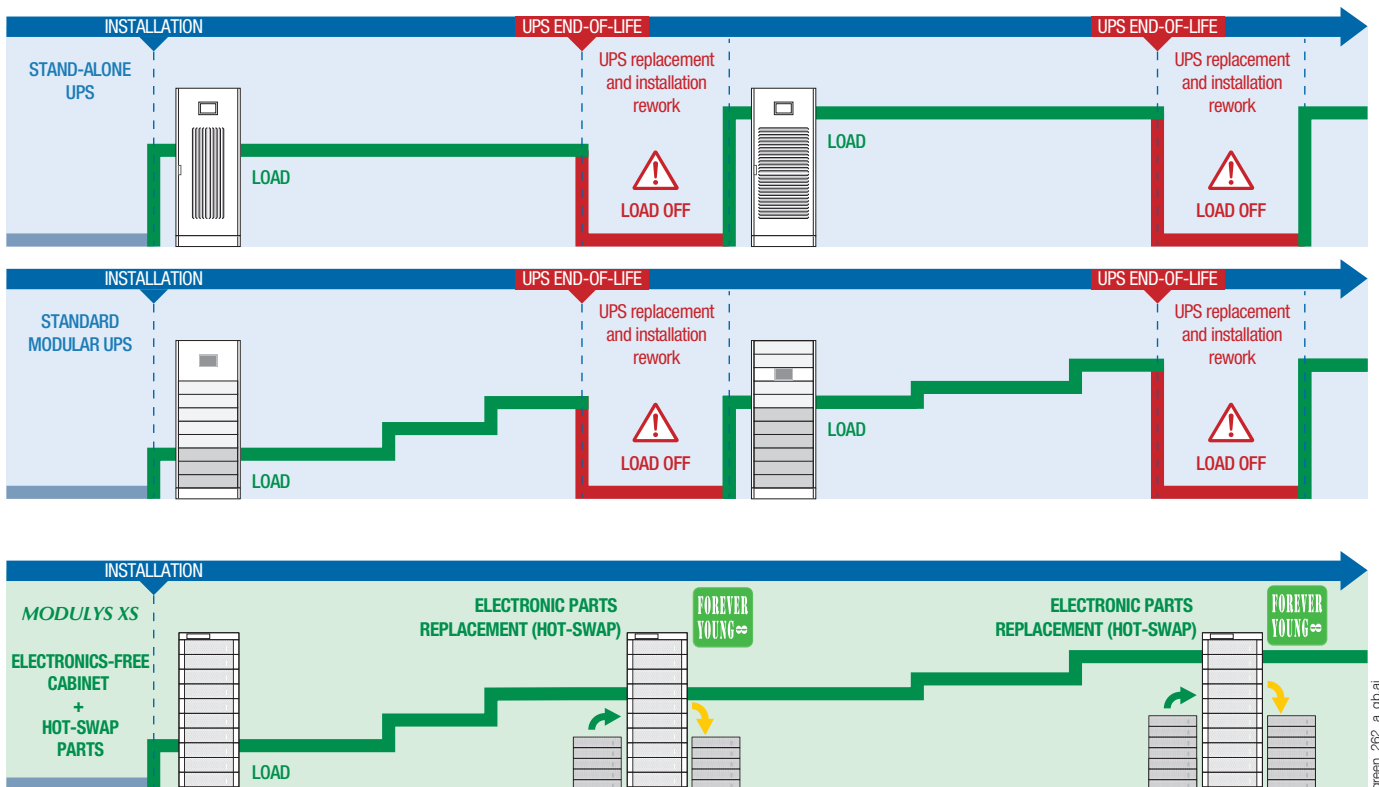
1. Ethernet port
2. USB port
3. 2 slots for communication options
4. 2 full power output sockets (IEC 320)
5. Output socket for Power Share (IEC 320)

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.

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.



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