MODULYS XS

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

GAMME 779

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.

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.

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

Advantages

PF 1

kW = kVA

Li-Ion
Ready for Li-Ion battery

1 000 000 HOURS MTBF

SoLive UPS

QRCODE 256 A GB

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GET IT ON Google Play

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 & 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.
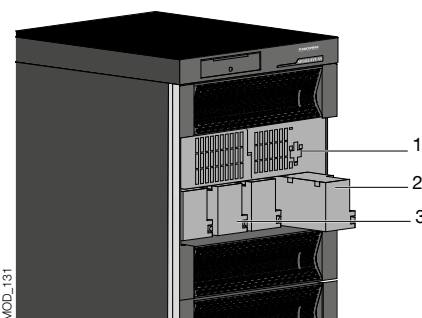- Remote touch-screen panel.

Remote monitoring and cloud services

- LINK-UPS: 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				
UPS SYSTEM					
Model	MC		RM		TC
Slot	9	6	4	3	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	600
Dimensions (mm) D	635	635	570	570	600
Dimensions (mm) H	1460	1060	708	575	1400
Weight (kg) (empty cabinet)	120	90	50	44	140
Colour	RAL 7016				
Degree of protection	IP20				
STANDARDS					
Safety	IEC 62040-1: 2017 (CB Report)				
EMC	IEC 62040-2: 2005				
Product declaration	CE; RCM; EAC				

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
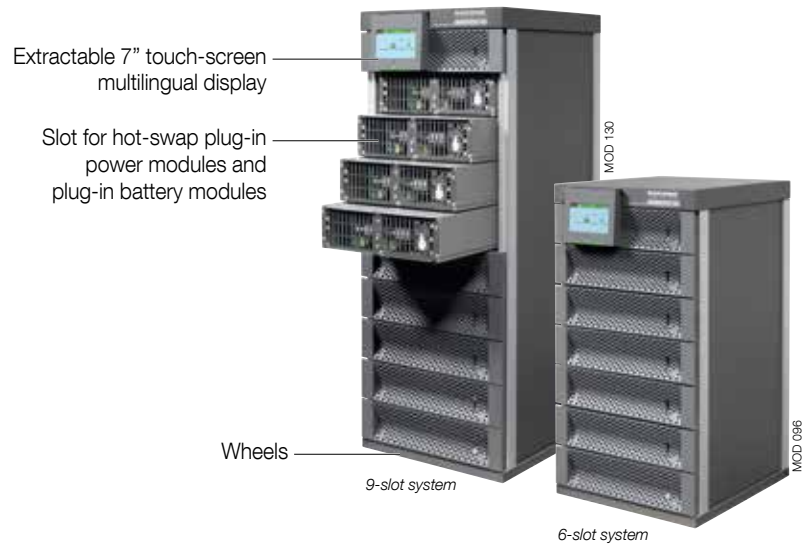Single-phase UPS
from 2.5 to 20 kVA/kW

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

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.
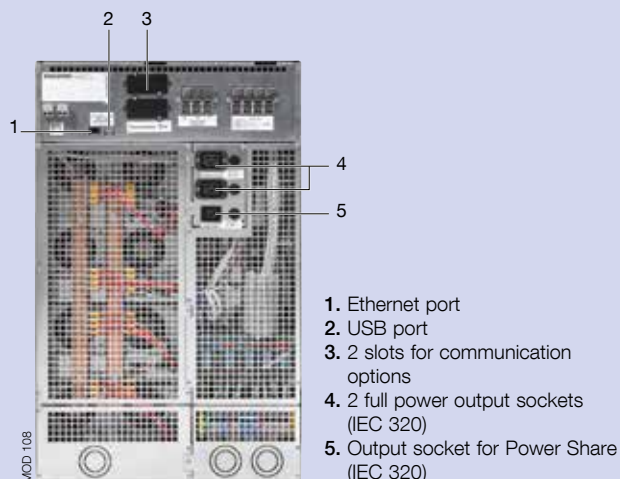- No risk of failure propagation.

Extractable 7" touch-screen multilingual display

Slot for hot-swap plug-in power modules and plug-in battery modules

Wheels

9-slot system

6-slot system

MODULYS XS RM: for integration in 19" rack cabinets

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

LCD multilingual graphic dispaly

Slot for hot-swap plug-in power modules and plug-in battery modules

4-slot system

3-slot system

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)

MODULYS XS TC: for long autonomy requirement

Fast recharge, long backup time

- Specially designed for:
  - telecommunication applications,
  - installation in remote unmanned places,
  - standard long-life batteries,
  - robust metallic enclosures.

Powerful battery charger

LCD multilingual graphic dispaly

Slot for hot-swap plug-in power modules

100/200 Ah high capacity batteries with front terminal

MOD 104

3-slot system

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.

INSTALLATION UPS END-OF-LIFE UPS END-OF-LIFE

STAND-ALONE UPS
UPS replacement and installation rework
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STANDARD MODULAR UPS
UPS replacement and installation rework
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INSTALLATION

MODULYS XS
ELECTRONICS-FREE CABINET + HOT-SWAP PARTS
ELECTRONIC PARTS REPLACEMENT (HOT-SWAP)
FOREVER YOUNG ∞
ELECTRONIC PARTS REPLACEMENT (HOT-SWAP)
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