



illustrative photo

### The solution for

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

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

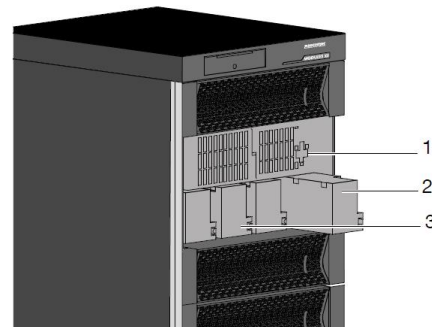
- Fast & safe maintenance based on hot-swap modules.
- Designed for concurrent maintenance.

### 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 display (RM & TC models).
- 2 slots for communication options.
- USB port to download UPS report and log file.
- Ethernet port for service purpose.



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

### Communication options

- Dry-contact interface (configurable voltage free contacts).
- MODBUS RTU RS485 or MODBUS.
- 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 from a smartphone.

### 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.

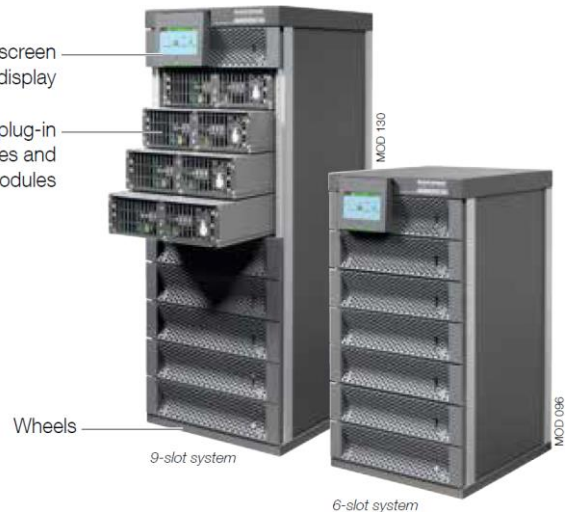
Extractable 7" touch-screen multilingual display

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

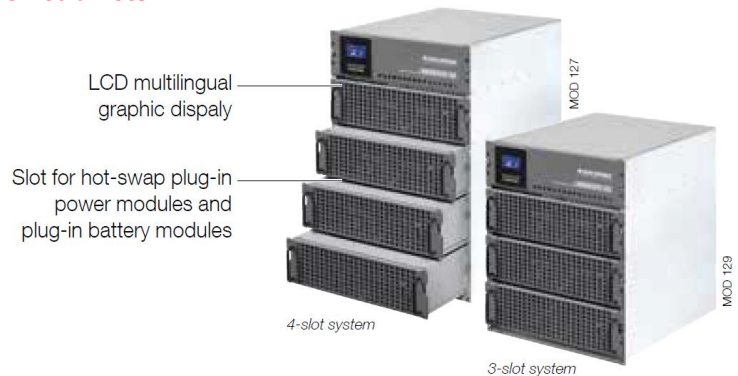
- Specifically designed for integration in 19" standard rack cabinets.
- Adjustable rails and mounting accessories.
- Easy to manage, integrate and customise.
- Flexible simplified cabling.

LCD multilingual graphic display

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

4-slot system

3-slot system



### 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 display

Slot for hot-swap plug-in power modules

100/200 Ah high capacity batteries with front terminal



3-slot system



# UPS MODULYS XS

## 2,5 - 20 kVA/kW



### Technical data

MODULYS XS						
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 1f+N ( $\pm 20\%$ ), 400 V 3f+N ( $\pm 20\%$ )					
Frequency	50/60 Hz $\pm 10\%$					
Power factor	$> 0.99$					
Output						
Voltage	230 V (1f) $\pm 3\%$ (can be set 208/220/240 V)					
Frequency	50/60 Hz $\pm 2\%$ ( $\pm 0.1\%$ in battery mode)					
Overload	110 % for 1 minutes, 130 % for 10 s, 200 % for 5 cycles					
Bypass						
Voltage	rated output voltage $\pm 15\%$					
Frequency	50/60 Hz $\pm 2\%$ (configurable for GenSet compatibility)					
Efficiency						
Online double conversion mode	up to 92.5 %					
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	600
	D	635	635	570	570	600
	H	1460	1060	708	708	1400
Weight (empty cabinet)	120 kg	90 kg	50 kg	44 kg	140 kg	
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					
Power module						
Input / Output	1 / 1			X / 1		
Dimensions (W x D x H)	446 x 475 x 131 mm			446 x 475 x 131 mm		
Weight	16 kg			20 kg		
Battery rack						
Battery voltage	48 V					
Dimensions (W x D x H)	446 x 475 x 131 mm					
Weight	12 kg					
Battery module						
Type	sealed lead-acid (normal-life & long-life)					
Battery voltage	48 V					
Weight	9 kg					

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