MODULYS

Scalable and flexible modular solution
from 1.5 to 24 kVA

GAMME 237 B

Range description and features

Upgradable over time
- MODULYS adapts easily to changes and to the growth of your system. Power modules of 1.5, 3, 4.5 and 6 kVA, in tower, rack and system versions are easily combined to ensure the ideal configuration.

Total protection

- MODULYS is a modular UPS. The number of Mod-Power and Mod-Battery units can easily be increased to provide redundant operation, from N + 1 to N + X. In this way, total availability of the system is achieved, even if one or more modules are inoperative.

Continuous protection

- MODULYS has "hot swap" power and back-up modules which can be replaced or inserted while the system is in operation. In this way, true continuity of power supplied to the load is achieved, without any interruption of service.

Organisation of your future needs

- MODULYS modular design allows the number of modules to be increased and therefore, the power and back-up time of your UPS to grow. In this way you can easily cope with future situations which you are not able to predict today.

Working space

- MODULYS is the most compact UPS in its category. Whether in stand- alone version or one of the many system configurations, the installation takes up very little of your working area.
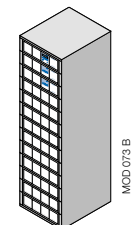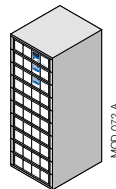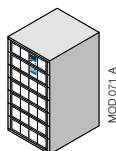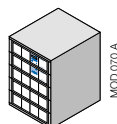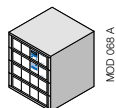
"No Single Point of Failure" solutions

- Each power module has its own integrated controller and an automatic bypass. In the system version, this design provides an additional guarantee since the load will be powered even if one of the modules is not working.

socomec
Innovative Power Solutions

Range

Mod-RM expandable from 1.5 to 9 kVA   *Mod-MC* expandable from 1.5 to 24 kVA   *Mod-EB* expandable from 9 to 24 kVA

Model	RM 315	RM 330	MC 415	MC 430	MC 645	MC 660	MC 660 SIX	MC 960	MC 990 SIX	MC 912 SIX	EB1290	EB 1212 SIX
Mod-Power	1 x 1500 VA	1 x 3000 VA	1 x 1500 VA	1 x 3000 VA	1 x 4500 VA	2 x 3000 VA	1 x 6000 VA	2 x 3000 VA	2 x 4500 VA	2 x 6000 VA	2 x 4500 VA	2 x 6000 VA
Battery pack	1	2	1	2	3	4	4	4	6	8	6	8

Standard electrical features

- Separate bypass input.
- 4 dry contacts relay card.

Electrical options

- Temperature sensor.

Standard communication features

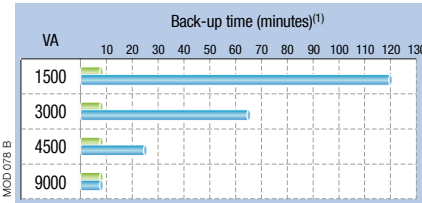- 2 slots for communication options.
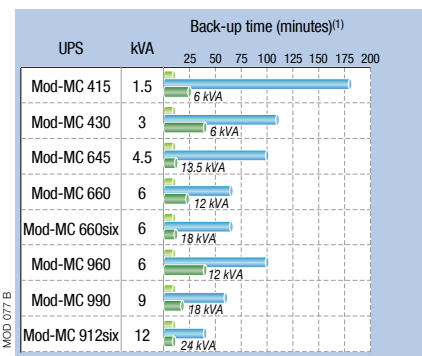- MODBUS/JBUS RTU (RS232).

Communication options

- Dry-contact interface.
- Remote mimic panel.
- NET VISION: professional WEB/SNMP interface for UPS monitoring and shutdown management of several operating systems.

Technical data

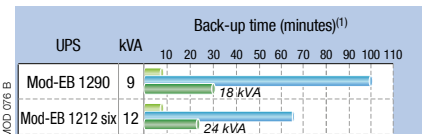| MODULYS				
Mod-Power				
Sn [VA]	1500	3000	4500	6000
Pn [W]	1050	2100	3150	4200
Input / output	1/1		1/1, 3/1	
INPUT				
Rated voltage	230 V (1ph)		230 V (1ph + N) or 400 V (3ph + N)	
Voltage tolerance	± 20% (up to -30% at 70% nominal load)			
Rated frequency	50/60 Hz			
Frequency tolerance	± 10%			
Power factor / THDI	> 0.99 / 6 %			
OUTPUT				
Rated voltage	230 V (1ph + N)			
Voltage tolerance	± 3% (can be set 208/220/240 V)			
Rated frequency	50/60 Hz			
Frequency tolerance	± 2% (± 0.1% autonomous frequency)			
Overload	110% for 1 minute, 130% for 10 seconds, 200% for 5 cycles			
Crest factor	3:1			
BYPASS				
Rated voltage	voltage selected			
Voltage tolerance	± 15%			
Rated frequency	frequency selected			
Frequency tolerance	± 2%			
EFFICIENCY				
Online mode	up to 91%			
Eco Mode	97%			
ENVIRONMENT				
Operating ambient temperature	0 °C to + 40 °C (15 °C to 25 °C for best battery life)			
Relative humidity	0 % - 90 % without condensation			
Maximum altitude (above sea level)	1000 m without de-rating (maximum 3000 m)			
Mod-System MODULYS MC				
Mod-MC 4XX - 4 slots W x D x H	550 x 625 x 760 mm			
Mod-MC 6XX - 6 slots W x D x H	550 x 625 x 1026 mm			
Mod-MC 9XX - 9 slots W x D x H	550 x 625 x 1425 mm			
Weight	depending on the configuration			
Degree of protection	IP20			
Acoustic level at 1 m (ISO 3746)	< 52 dBA (Mod-MC 4XX)		< 60 dBA (Mod-MC 6XX and Mod-MC 9XX)	
Heat dissipation	530 W (Mod-MC 4XX)	700 W (Mod-MC 6XX)	2090 W (Mod-MC 9XX)	
Connections	terminals			
STANDARDS				
Safety	IEC/EN 62040-1, AS 62040.1.1, AS 62040.1.2			
EMC	IEC/EN 62040-2, AS 62040.2			
Performance	IEC/EN 62040-3, AS 62040.3			
Product declaration	CE, RCM (E2376)			

An adaptable system

Mod-RM

Mod-MC

Mod-EB

Standard   (1) Max BUT @ 75% load
Maximum
Expandable

socomec
Innovative Power Solutions