Single-phase UPS

MODULYS TW/RK

from 3 000 to 6 000 VA
an adaptable UPS for professional applications

An innovative solution

- Compact and technologically advanced, ***MODULYS***® is the ideal solution for protecting professional applications.

Modular back-up time

- The back-up time in the event of a power cut, achieved by modular extension batteries, is particularly well suited to the computer technology environment.

An adaptable system

- The wide range of power available (3 - 4.5 - 6 kVA) enables this UPS to satisfy a vast number of requirements and to be the ideal platform for the construction of your future ***MOD-SYSTEM*** configuration (see ***MODULYS*** System).

Integration into a rack

- Any model can be converted from a tower version to a rack, by using a simple kit.

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2 YEAR GUARANTEE

MOD 061 B 1 CAT

MODULYS 3 000 VA
Tower or Rack

MODULYS 4 500/6 000 VA
Tower or Rack

Managing the back-up time

- A dedicated Power Share socket is available. This is a socket dedicated to the protection of non-critical loads that can be disconnected under certain conditions, for example, to extend back-up during UPS battery operation for critical applications.

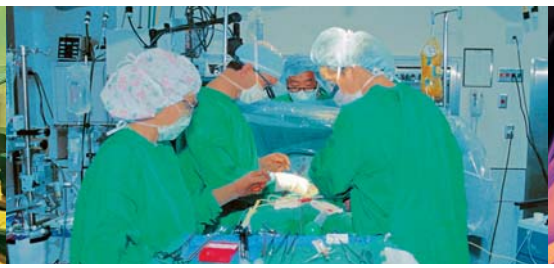
Communication

- LCD Display: ***MOD-TW 45/60*** and ***MOD-RK 45/60*** are fitted with an alphanumeric display (LCD).
- RS232 serial interface as standard.
- RS485 serial interface on the 4 500 and 6 000 VA models.
- ***UNI VISION*** software for the control and automatic shutdown of applications connected to Windows™ and Linux. Free to download from our website: **www.socomec.com**
- ***UNI VISION PRO*** software for management of connected applications and to control automatic shutdowns. Serial cable included.
- ***NET VISION*** interface SNMP/WEB manager for connection of the UPS to the Ethernet network. This accessory can be integrated in the UPS by means of the slot located on the back panel.

Bypass network security

- Optional separate input for the bypass network on the 4 500 and 6 000 VA models.

Your protection for
> Computer networks
> Security
> Industrial controls
> Home security

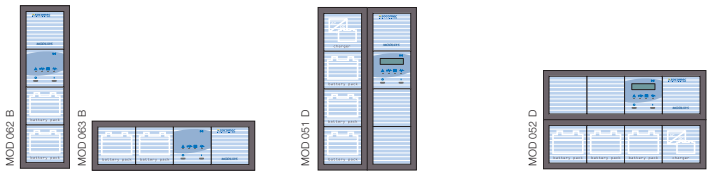

socomec Innovative Power Solutions UPS

Choice of back-up time

3000 VA												
Battery pack	1	2	3	4	5	6	7	8	9	10		
Back-up time in min.	/	8	13	23	30	36	40	46	55	63		
Extension			*Mod-Battery*				*Mod-Battery*					
4500 VA												
Battery pack	1	2	3	4	5	6	7	8	9	10	11	12
Back-up time in min.	/	/	8	12	18	23	27	31	35	39	42	46
Extension					*Mod-Battery*				*Mod-Battery*			
6000 VA												
Battery pack	1	2	3	4	5	6	7	8	9	10	11	12
Back-up time in min.	/	/	/	8	11	14	19	23	26	29	31	35
Extension					*Mod-Battery*				*Mod-Battery*			

Back-up time at 75% of load (higher back-up times on demand)

Range



Model	*Mod-TW 30*	*Mod-RK 30*	*Mod-TW 45*	*Mod-TW 60*	*Mod-RK 45*	*Mod-RK 60*
	1x3000 VA	1x3000 VA	1x4500 VA	1x6000 VA	1x4500 VA	1x6000 VA
Battery pack	2	2	3	4	3	4

Codification

Item Code	Input/output	UPS power kVA	Back-up time min
Modulys Tower			
MOD2-TW30-BP2K	1/1	3	8
MOD2-TW45-BP3SK	1/1	4.5	8
MOD2-TW45-BP3K	1/1 or 3/1	4.5	8
MOD2-TW60-BP4SK	1/1	6	8
MOD2-TW60-BP4K	1/1 or 3/1	6	8
MOD2-TW-EX Battery module (up to 4 packs)			
Modulys Rack			
MOD2-RK30-BP2K	1/1	3	8
MOD2-RK45-BP3SK	1/1	4.5	8
MOD2-RK45-BP3K	1/1 or 3/1	4.5	8
MOD2-RK60-BP4SK	1/1	6	8
MOD2-RK60-BP4K	1/1 or 3/1	6	8
MOD2-RK-EX Battery module (up to 4 packs)			
Battery pack			
MOD-BP-001			

Accessories

- Galvanic isolation transformer.
- Separate bypass input on 4500 and 6000 VA.

Communication options

- Remote monitoring and control kit.
- Dry contacts relay card.
- Advanced communication card.
- ***NET VISION*** interface for the LAN Ethernet network *[Info. p. 93]*.

Technical data

POWER	3000 VA/2100 W	4500 VA/3150 W	6000 VA/4200 W
Technology	VFI (Voltage and Frequency Independent) On line double conversion		
INPUT			
Nominal input voltage	230 V (1 ph) ± 20% (up to -30% at 70% nominal load)	230 V (1 ph) or 400 V (3 ph + N) ± 20% (up to -30% at 70% nominal load)	
Frequency	50/60 Hz ± 10%		
Power factor/THDI	> 0.99/6%		
OUTPUT			
Output voltage	230 V (1 ph) ± 3% (can be configured 208, 90% Pn with 208 V/220/240 V output)		
Output frequency	50 Hz - 60 Hz ± 2% (± 0.1 % autonomous frequency)		
Automatic bypass	Voltage selected ± 15% - frequency selected ± 2%		
Overload (mains mode)	(110% for one minute) (130% for 10 seconds) (200% for 5 cycles)		
Global efficiency	up to 91% in on line mode 97% in ***ECO MODE***		
Admissible crest factor	3:1		
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 no de-rating (maximum 3000 m)		
Noise level (ISO 3746)	< 50 dB at 1 m	< 52 dB at 1 m	
Heat dissipation Watt at 100% load	260	350	520
DIMENSIONS (W x D x H)/weight (batteries included)			
Mod-Tower	131 x 460 x 450 mm 35 kg	2 x (131 x 540 x 450 mm) 57 kg	2 x (131 x 540 x 450 mm) 65 kg
Mod-Rack	3U- depth 460 mm 35 kg	2 x 3U - depth 540 mm 57 kg	2 x 3U - depth 540 mm 65 kg
Mod-Tower/Mod-Rack CONNECTIONS			
Input	IEC 320 C20 (16 A)	Terminals	
Bypass network input	N.A.	Terminals	
Output	IEC 320 C19 (16 A)	Terminals	
Power share socket	IEC 320 C13 (10 A)	IEC 320 C13 (10 A)	
REFERENCE STANDARDS			
Safety	(EN) IEC 62040-1-1		
Performance & topology	(EN) IEC 62040-3		
EMC standard	EN 50091-2/IEC 62040-2		
Product certification	CE		
IP rating	IP 20 (compliant with IEC 60529)		

This document is not a specification.
SOCOMEC SICON UPS reserves the right to make any changes to data without prior notice.