Single-phase UPS

MODULYS TC

from 3 000 to 9 000 VA
a modular UPS for telecommunications applications

The solution for supplying power systems

- Thanks to its particular architecture, designed especially for the telecoms sector, the ***Mod-TC*** combines batteries with extended back-up time with high capacity.
- ***Mod-TC*** is the ideal solution for isolated, unmanned installations, such as radio stations or links, mobile radio stations for cellular phone networks and GSM - GPRS - UMTS repeaters.

Batteries and a charger adapted to lengthy back-up times

- Batteries have a lifespan of 10 years (AGM-VRLA technology).
- Battery protection (fuses) connected by boards.
- Front battery access (easy maintenance).
- To guarantee constant and reliable operation, the 30 A battery charger provides rapid and stable recharging of 48 V – 100 Ah batteries after each period of back-up.

Five models available with different architectures

- The ***Mod-TC 2XX*** stand alone unit provides the ideal solution for applications which do not require an extended back-up time (more than 8 hours for the ***Mod-TC 230***) and will not need to be upgraded.
- ***Mod-TC 3XX*** the redundant modular system.
- ***Mod-TC 360*** and ***Mod-TC 390***. These are flexible, modular, redundant systems to which additional power modules may be installed to increase power or to obtain an operating redundancy N +1.

Mod-TC 230-245-260

MOD 047B 1 CAT

MOD 046 B 1 CAT

Mod-TC 360-390

Your protection for

> e.business
> Computer networks
> Telecommunications

socomec Innovative Power Solutions UPS

An adaptable system

Mod-TC	VA	Typical back-up time(1) standard min.	Typical back-up time(1) max. min.	Expandable up to power VA	Expandable up to back-up time(2) min.
230	3000	110	420	3000	1200
245	4500	60	270	4500	630
260	6000	45	190	6000	480
360	6000	110	/	9000	550
390	9000	70	/	9000	330

(1) Back-up time at 75 % of the load.

(2) Back-up time with additional cabinets, charger included.

Standard equipment

- Two slots for communication boards on ***Mod-TC 360*** and ***390***.
- RS 232/485 serial port (except ***TC 230***).
- Signal contacts relay card.
- Separate bypass input on ***Mod-TC 245 - 260- 360 - 390***.

Accessories

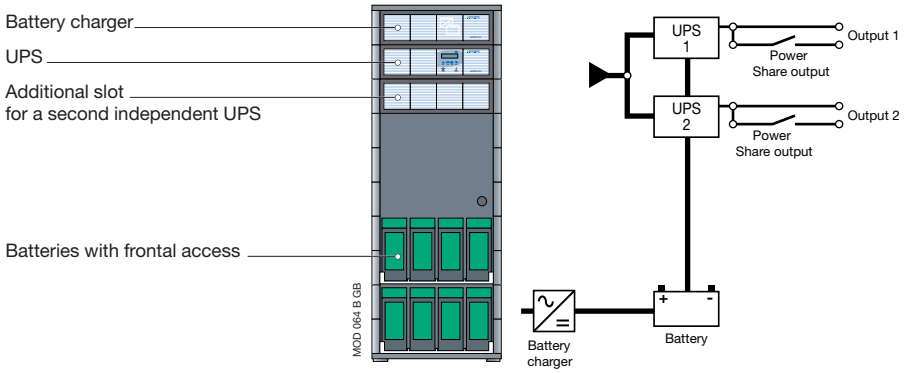
- Temperature sensor on ***Mod-TC 360*** and ***390***.

Communication options

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

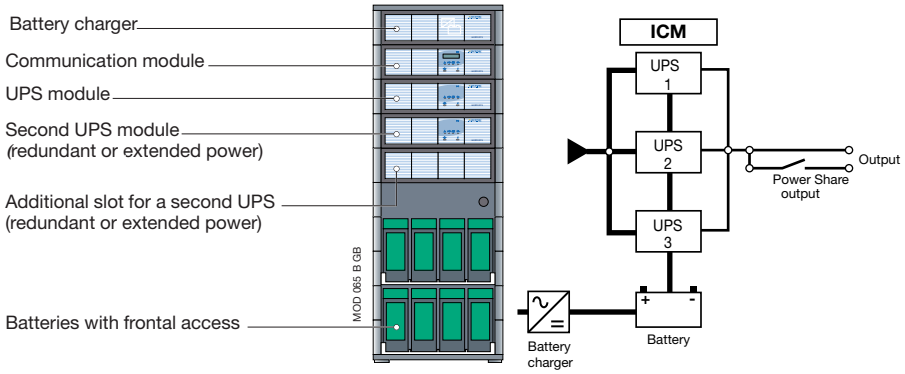
Basic configurations

Mod-TC 2XX system



Model	Mod-TC230	Mod-TC245	Mod-TC260
Mod-RK	1 x 3000 VA	1 x 4500 VA	1 x 6000 VA
Battery (48 V - 100 Ah)	1	1	1

Mod-TC 3XX system



Model	Mod-TC360	Mod-TC390
Mod-Power	2 x 3000 VA	2 x 4500 VA
Battery (48 V - 100 Ah)	2	2

Technical Data

UPS TYPE	Mod-TC230	Mod-TC245	Mod-TC260	Mod-TC360	Mod-TC390
Input phases	1 ph	1 ph/3 ph	1 ph/3 ph	1 ph	1 ph/3 ph
Input voltage	230 V (1ph) or 400 V (3 ph + N) ± 20%				
Input frequency	from 45 to 65 Hz				
Input power factor	> 0.98				
Input current distortion	sinusoidal absorption (THDI < 6%)				
Output voltage	230 V (1 ph) ± 3% (can be configured for 208/220/240 V)				
Nominal output power (VA)	3000	4500	6000	6000	9000
Nominal output power (W)	2100	3150	4200	4200	6300
Redundant N + 1 up to (VA)(1)	/	/	/	6000	9000
Two independent UPS(1)	3000 + 3000	4500 + 4500	6000 + 6000	/	/
AC/AC global efficiency	90%				
Battery type	long life battery (sealed, maintenance free)				
Back-up time	1 to 8 hours				
Battery tray (100 Ah 48 V)(2)	1	1	1	2	2
Recharge period	< 8 hours				
Safety/EMC standards	EN50091-1-1/EN50091-2				
Dimensions W x D x H (mm)	600 x 600 x 1425				
Operating ambient temperature	0 °C to + 40 °C (15 °C to 25 °C for best battery life)				
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				

(1) With the addition of a supplementary UPS module. - (2) Internally or externally extendable (additional cabinet with battery charger).