

MODULYS TC

from 3000 to 9000 VA

for telecommunication applications







Mod-TC 360 Mod-TC 390

The solution for

- > e.business
- > Computer networks
- > Telecommunications

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 prolonged back-up times

- Batteries have a lifespan of 10 years (AGMVRLA 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

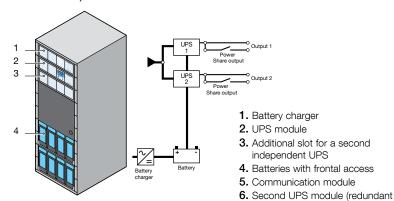
- The Mod-TC 2XX stand-alone unit provides the ideal solution for applications which do not require an extended back-up time (more than 8 hours for the Mod-TC 230) and will not need to be upgraded.
- Mod-TC 3XX. The redundant modular system.
- Mod-TC 360 and Mod-TC 390. These are flexible, modular, redundant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





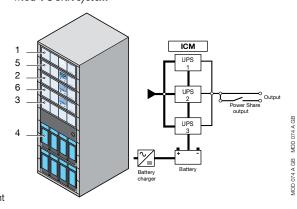
Basic configurations

Mod-TC 2XX system



Model	Mod-TC 315			
Mod-Power	1 x 1500 VA			
Battery pack	1			

Mod-TC 3XX system



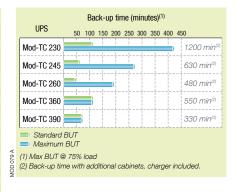
Model	Mod-TC 330				
Mod-Power	1 x 3000 VA				
Battery pack	2				

Technical data

			MODULYS TC				
Model	Mod-TC 230	Mod-TC 245	Mod-TC 260	Mod-TC 360	Mod-TC 39		
Sn [VA]	3000	4500	6000	6000	9000		
Pn [W]	2100	3150	4200	4200	6300		
Input/output	1/1	1/1, 3/1	1/1, 3/1	1/1	1/1, 3/1		
NPUT							
Rated voltage	230 V (1ph + N) or 400 V (3ph + N)						
Voltage tolerance	± 20%						
Rated frequency	50/60 Hz						
Frequency tolerance	from 45 to 65 Hz						
Power factor / THDI	> 0.98 /< 6%						
OUTPUT							
Rated voltage	230 V (1ph)						
Voltage tolerance	± 3% (can be configured for 208/220/240 V)						
Rated frequency	50-60 Hz						
Frequency tolerance	± 2% (± 0.1% autonomous frequency)						
Redundant N+1(1)	-	-	-	6000 VA	9000 VA		
Two independent UPS(1)	3000 + 3000 VA	4500 + 4500 VA	6000 + 6000 VA	-	-		
Overload	110% for 1 minute, 130% for 10 seconds, 200% for 5 cycles						
Crest factor			3:1				
BATTERIES							
Туре	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				
EFFICIENCY							
Online mode			up to 90%				
ENVIRONMENT							
Operating ambient temperature	from 0 °C up to +40 °C (from 15 °C to 25 °C for maximum battery life)						
Relative humidity	0% - 90% without condensation						
Maximum altitude	1000 m without derating (max. 3000 m)						
CABINET			3(,			
Dimensions W x D x H		6	600 x 600 x 1425 mr	n			
Weight	depending on the configuration						
Degree of protection	IP20						
Acoustic level at 1 m (ISO 3746)							
STANDARDS							
Safety			EN 62040-1				
EMC	IEC 62040-2						
Performance	EN 62040-3						
Product declaration	CE						

or extended power)

An adaptable system



Standard electrical features

- Separate bypass input on Mod-TC 245, Mod-TC 260, Mod-TC 360 and Mod-TC 390.
- · Signal contacts relay card.

Electrical options

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

Standard communication features

- 2 slots for communication options.
- MODBUS/JBUS RTU.

Communication options

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











⁽¹⁾ With the addition of a supplementary UPS module.

⁽²⁾ Internally or externally expandable (additional cabinet with battery charger).