ITYS *PRO*

Reliable cost-effective power protection
from 10 to 20 kVA

GAMME 513 A

The solution for

> Server rooms
> Service sector
> Infrastructure
> Healthcare sector
> Light industrial applications

Technology

> VFI "online double conversion"

Advantages

95% EFFICIENCY

PF 0.9

3 LEVEL TECHNOLOGY

Certifications

RoHS COMPLIANT

UPS configurations

UPS - Type S
Without batteries

UPS - Type M
With batteries

UPS - Type T
With batteries

Compact, cost-effective protection

- Easy to order, install and operate.
- State-of-the-art technology providing high levels of performance in a very compact unit.
- Online double conversion mode with an output power factor of 0.9 providing 12% more active power compared to UPS with a power factor of 0.8.
- Best-in-class online efficiency.
- Innovative battery management extending battery life (virtually ZERO ripple on batteries).
- Redundant bypass protection reducing the risk of power cuts.
- Integrated LAN network monitoring via web browser. Multilanguage display.

Tailored to your environment

- Designed to operate in challenging electrical environments.
- Ideal for protecting sensitive IT and non-IT applications.
- Flexible battery configurability without changing the footprint.
- Internal isolation transformer (on request).
- Low electromagnetic emissions compliant for commercial installations.

socomec
Innovative Power Solutions

ITYS PRO
Single-phase and three-phase UPS
from 10 to 20 kVA

Standard electrical features

- Internal maintenance bypass.
- Backfeed protection: detection circuit.
- EBS (Expert Battery System) for battery management.

Standard communication features

- User-friendly multilingual interface with graphic display.
- Integrated LAN network monitoring via web browser.
- 2 slots for communication options.

Communication options
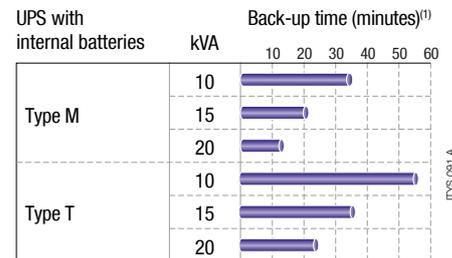
- Dry-contact interface.
- MODBUS interface.

Local and IP network management solutions

- LOCAL VIEW: ideal point-to-point software for UPS monitoring and shutdown of Windows®, Linux and MAC OS X® operating systems.
- NET VISION: professional network adapter for monitoring and controlling UPS units from a remote location (option for all models).

Remote monitoring service

- LINK-UPS, remote monitoring service that connects your UPS to your Critical Power specialist 24/7.

Technical data

UPS with internal batteries	kVA	Back-up time (minutes)[1]
Type M	10	
	15	
	20	
Type T	10	
	15	
	20	

(1) Operating with normal load.

	ITYS PRO		
Sn [kVA]	10	15	20
Pn [kW]	9	13,5	18
Input / output	3/1 - 3/3	3/3	
INPUT			
Rated voltage	3P+N 400 V		
Voltage tolerance	± 20 % (-40 % @ 70 % of nominal load)		
Rated frequency	50/60 Hz ± 10 %		
Power factor / THDI	0.99 / <2.5 %		
OUTPUT			
Rated voltage	1P+N : 230 V (configurable: 208[1]/220/230/240)		
	3P+N : 400 V (configurable: 360[1]/380/400/415)		
Voltage tolerance	± 1 %		
Rated frequency	50/60 Hz ±2 (up to ±5 with generator - selectable)		
Overload	Up to 150 % for 30 seconds		
Crest factor	3:1 (complying with IEC 62040-3)		
Connections (output)	Terminals		
BYPASS			
Rated voltage	rated output voltage		
Voltage tolerance	±15 % (± 20 % with generator - selectable)		
Rated frequency / tolerance	50/60 Hz ±2 (up to ±5 with generator - selectable)		
COMMUNICATION			
Interfaces	RS232 - Ethernet		
Optional cards	SNMP card - ADC/RS485 card - MODBUS card		
Communication software	LOCAL VIEW - NETVISION - WEB BROWSER		
EFFICIENCY			
Online mode	up to 95 %		
ECO mode	up to 98 %		
ENVIRONMENT			
Ambient temperature	0 to 40 °C (15 to 25 °C for maximum battery life)		
Relative humidity	0 to 95 % without condensation		
Maximum altitude	1000 m without derating		
Noise level at 1 m	<51 dBA	<54 dBA	
UPS CABINET			
Type S - Dimensions W x D x H	370 x 780 x 810 mm		
Type S - Weight (without batteries)	58 kg		
Type M - Dimensions W x D x H	370 x 780 x 1170 mm		
Type M - Weight (without batteries)	75 kg		
Type T - Dimensions W x D x H	370 x 780 x 1385 mm		
Type T - Weight (without batteries)	82 kg		
Degree of protection	IP20		
STANDARDS			
Safety	EN 62040-1, AS 62040.1.1, AS 62040.1.2		
EMC	IEC/EN 62040-2 class C2, AS 62040.2		
Performance	IEC/EN 62040-3, AS 62040.3		
Product declaration	CE, RCM (E2376)		

(1) Pout = 90 % Pnom

Rear view connections

1. EPO (Emergency Power Off)
2. Ethernet port
3. RS232 serial port
4. Slot for optional communication boards
5. Mains, auxiliary mains, output and manual bypass protective devices
6. Input, output and external battery terminal board
7. Battery protection (M and T models)
8. Castor wheel with security lock