ITYS PRO

Reliable cost-effective power protection
from 10 to 20 kVA

GAMME 567

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

Different UPS configurations, a single battery cabinet

UPS - Type S
Without batteries

Battery cabinet

UPS - Type M
With batteries

UPS - Type T
With batteries

UPS - Type T
With transformer

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.
- 1+1 parallel configuration for 10 kVA and 20 kVA type S models with dual input mains
- 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.
- Up to 3 battery chargers for very long back-up time requirements.
- Models with internal isolation transformer and IP31 degree of protection.
- IP31 degree of protection available on request for transformerless models.
- Low electromagnetic emissions compliant for commercial installations.
- Embedded redundancy on the bypass control and power supply to minimise any risk of interrupting the load.
- A single 25-block battery string simplifies the connection and reduces both the overall cost and the space required.

Some models may not be available in your country – please check with your local sales office.

socomec
Innovative Power Solutions

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

Standard electrical and mechanical features

- Dual input mains (3/1 models).
- Internal maintenance bypass
- Backfeed protection : detection circuit.
- EBS (Expert Battery System) for battery management.
- IP31 degree of protection (models with transformer).

Electrical and mechanical options

- Dual input mains (3/3 models).
- External battery cabinet.
- Additional battery chargers.
- IP31 degree of protection (models without transformer).

Standard communication features

- User-friendly multilingual interface with graphic display.
- 2 slots for communication options.
- Ethernet interface for UPS monitoring via WEB pages.
- MODBUS TCP.
- LOCAL VIEW software for local UPS monitoring and shutdown for Windows, Linux and MAC Osx.

Communication options

- Dry-contact interface (configurable voltage-free contacts).
- MODBUS RTU (RS485).
- BACnet/IP interface.
- NET VISION: professional WEB/SNMP Ethernet interface for secure UPS monitoring and remote automatic shutdown.
- REMOTE VIEW PRO supervision software.
- IoT gateway for Socomec cloud services and SOLIVE UPS mobile app.
- Remote touch-screen panel.
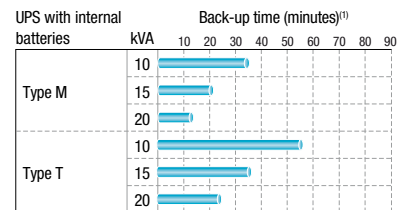
Remote monitoring and cloud services

- LINK-UPS: Socomec 24/7 remote monitoring service connecting your installation to the nearest Socomec Service Centre.
- SOLIVE UPS: mobile app enabling the monitoring of the UPS systems from a smartphone.
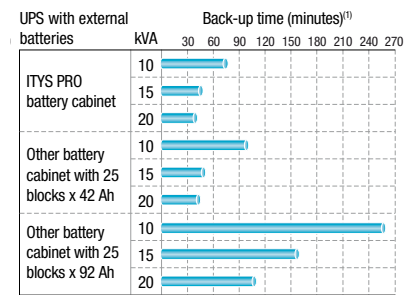
Technical data

UPS with internal batteries — Back-up time (minutes)[1]

(1) Operating with typical load

UPS with external batteries — Back-up time (minutes)[1]

	ITYS PRO		
Sn [kVA]	10	15	20
Pn [kW][2][3]	9	13,5	18
Input/output 3/1 [2]	●	●	●
Input/output 3/3 [2][3][4]	●	●	●
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	without transformer: up to 95%; with transformer: up to 92%		
ECO mode	without transformer: up to 98%; with transformer: up to 95%		
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 (IP20), 440 x 932 x 812 mm (IP31)		
Type S - Weight (without batteries)	58 kg		
Type M - Dimensions W x D x H	370 x 780 x 1170 mm (IP20), 440 x 932 x 1172 mm (IP31)		
Type M - Weight (without batteries)	75 kg		
Type T - Dimensions W x D x H	370 x 780 x 1385 mm (IP20), 440 x 932 x 1387 mm (IP31)		
Type T - Weight (without batteries)	without transformer: 82 kg; with transformer: up to 208 kg		
Degree of protection	without transformer: IP20 (IP31 on request); with transformer: IP31		
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)		
BSI certification	R-41116530		

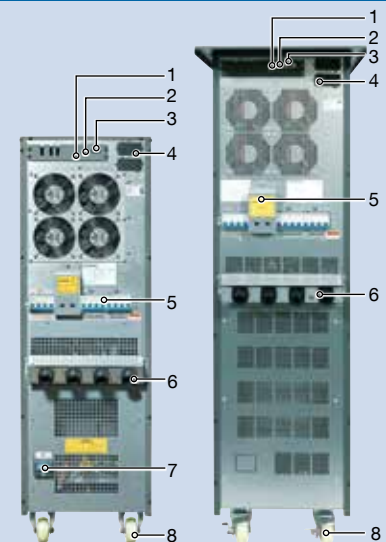(1) Pout = 90 % Pnom. (2) Models without transformer and models with transformer connected to the UPS output.
(3) For models with transformer connected to the UPS input, please contact us. (4) 1+1 parallel configuration for 10 kVA and 20 kVA type S models with dual input mains.

Rear view connections

UPS without transformer   UPS with transformer

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