ITYS

Reliable and versatile power protection
from 1 to 20 kVA

GAMME 397

The solution for

> Professional workstations
> Server and corporate networks
> Storage systems
> Industrial automation
> Security systems
> Telecom systems

Technology

> VFI "online double conversion"

Certifications

RoHS COMPLIANT

Autonomy configurations

> Flexible autonomy

UPS with internal batteries (standard model)

Modular battery extension with 1 or 2 strings

> Extendable autonomy

UPS without internal batteries and with powerful battery charger

N+1 modular battery extension with 1 or 2 strings

> Long autonomy

UPS without internal batteries and with powerful battery charger

External battery cabinet

High protection and availability

- True online double conversion technology (VFI) assures high availability and total load protection.
- Constant output voltage and frequency regulation makes ITYS compatible with different applications, operating environments and generator sets.
- Automatic bypass supplies the loads in the event of overloads or faults.

Robust and versatile

- Compact tower UPS system saves space in the operating environment.
- No particular configuration on first startup.
- Easy connections via IEC 320 sockets or terminals.
- Wide input voltage tolerance limits the switchovers to battery mode prolonging the battery life.
- Manual bypass for periodic or emergency maintenance.

Wide battery configurability

- Flexible battery management available for all ITYS models to ensure power supply continuity in the event of an outage.
- Modular battery extension meets a wide variety of power back-up times according to the load to be supplied.
- Modular battery extension enables limitless increases in autonomy, even after installation.
- Powerful battery charger models guarantee constant and reliable operation using external high capacity batteries, therefore providing supply continuity during long outages.
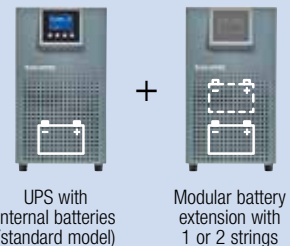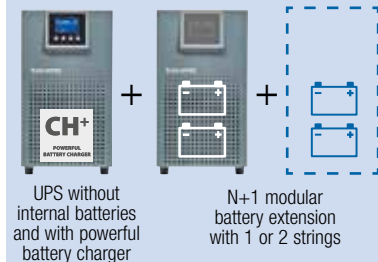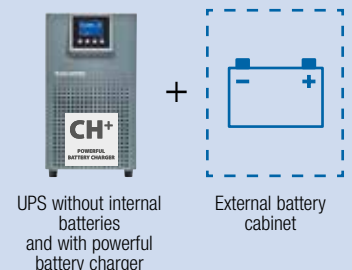
Some models may not be available in your country – please check with your local sales office.

socomec
Innovative Power Solutions

Connections
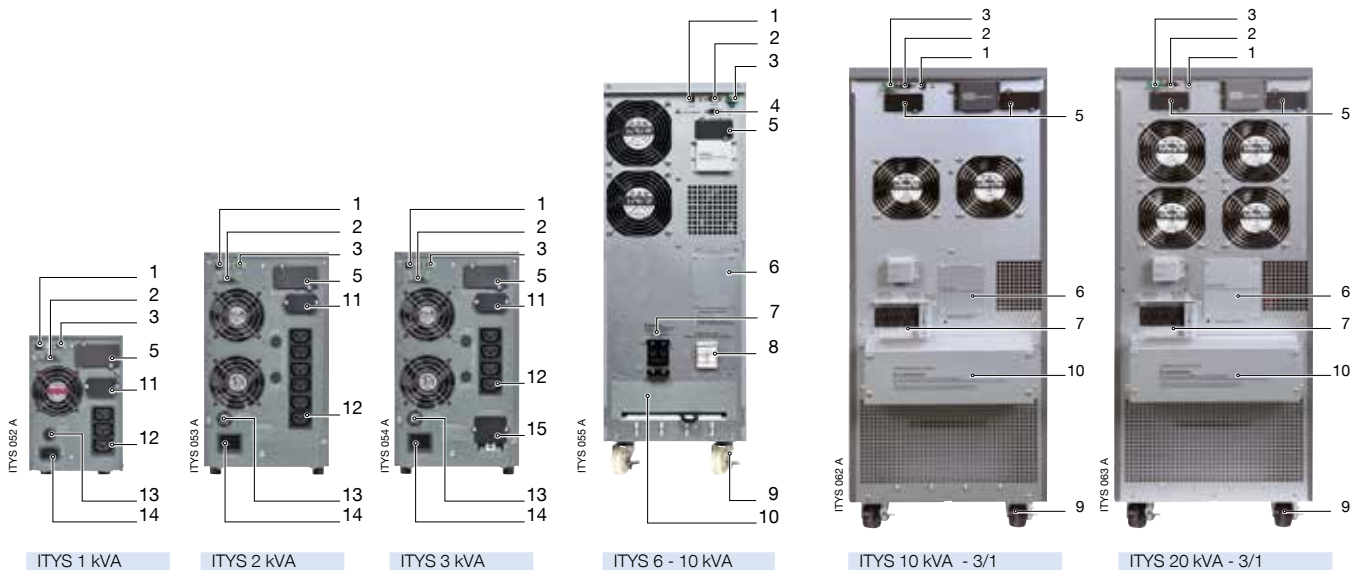
| ITYS 1 kVA | ITYS 2 kVA | ITYS 3 kVA | ITYS 6 - 10 kVA | ITYS 10 kVA - 3/1 | ITYS 20 kVA - 3/1 |

1. USB serial port
2. RS232 serial port
3. EPO (Emergency Power Off)
4. Dry contact interface (DB9)
5. Slot for optional communication boards[1]
6. Manual bypass
7. Input protection (thermal breaker)
8. Battery fuse holder
9. Castor wheel with security lock
10. Input, output and external battery terminal board
11. Connection for modular battery extension
12. Output sockets (IEC 320)
13. Input protection
14. Input socket (IEC 320)
15. Output terminals
*(1) Dry contact interface or WEB/SNMP network adapter.*

Technical data

	ITYS - UPS						
Sn	1000 VA	2000 VA	3000 VA	6000 VA	10000 VA	10000 VA	20000 VA
Pn	800 W	1600 W	2400 W	5400 W	9000 W	9000 W	18000 W
Input/output	1/1					3/1 or 1/1	
INPUT							
Rated voltage	230 V (110÷300 V)			230 V (176÷276 V)		400 V (3/1), 230 V (1/1)	
Rated frequency	50/60 Hz ±10% (Auto-Selectable)						
Power factor	0.98					0.99	
OUTPUT							
Rated voltage	208 / 220 / 230 / 240 V (± 2 %)			208 / 220 / 230 / 240 V (± 1 %)			
Rated frequency	50/60 Hz (± 0.2 Hz in battery mode)						
Overload	Up to 150 % for 10 seconds			Up to 150 % for 1 minute		Up to 150 % for 10 seconds	
Crest factor	3:1						
Connections	3 x IEC 320 (C13)	6 x IEC 320 (C13)	4 x IEC 320 (C13)+ terminals	terminals			
BATTERIES							
Type	sealed lead-acid maintenance free - expected life 3/5 years						
Voltage	36 V DC	96 V DC		240 V DC		288 V DC	
Back-up time[1][2]	10 min	17 min	9 min	13 min	9 min	12 min	12 min
Battery charger[3]	8 A			4 A		4 A[4]	
COMMUNICATION							
Interfaces	RS232 - USB			RS232 - USB - Dry contact		RS232 - USB	
Ethernet adapter	NET VISION (TCP / IP & SNMP) optional card						
Local communication software	Local View						
EFFICIENCY							
Online mode	up to 91 %			up to 94 %			
ENVIRONMENT							
Ambient service temperature	0 °C to +40 °C (15 °C to 25 °C for maximum battery lifetime)						
Relative humidity	< 95 % non-condensing						
Maximum altitude	1000 m without de-rating						
Noise level at 1 m	< 50 dBA			< 55 dBA			
UPS CABINET							
Dimensions W x D x H (mm)	145 x 400 x 220	192 x 460 x 347		260 x 550 x 708		350 x 650 x 890	
Weight (models with internal batteries)	13 kg	31 kg		80 kg	84 kg	127 kg	188 kg
Weight (models without internal batteries)	7 kg	13 kg		25.5 kg	29.5 kg	48 kg	58 kg
Degree of protection	IP20						
STANDARDS							
Safety	IEC/EN 62040-1, AS 62040.1.1, AS 62040.1.2						
EMC	IEC/EN 62040-2, AS 62040.2						
Performance	IEC/EN 62040-3 (efficiency tested by an external independent body)						
Product declaration	CE, RCM (E2376)						

(1) @75 % of rated load (models with internal batteries) PF 0.7
(2) Models with internal batteries
(3) Models wthout batteries
(4) Up to 8 A on request

Standard communication features

- User-friendly multilingual interface with graphic display.
- 1 slot for communication options.
- USB port for UPS management based on HID protocol.
- MODBUS RTU (RS232).
- LOCAL VIEW software for local UPS monitoring and shutdown for Windows, Linux and MAC Osx.

ITYS 1-2-3 kVA   ITYS 6-10 kVA
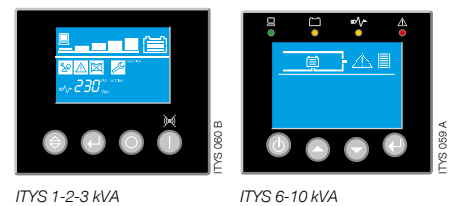
Communication options

- Dry-contact interface.
- NET VISION: professional WEB/SNMP Ethernet interface for secure UPS monitoring and remote automatic shutdown.
- Environmental Monitoring Device (EMD).
- REMOTE VIEW PRO supervision software.

socomec
Innovative Power Solutions