ITYS

Reliable and versatile power protection
from 1 to 10 kVA

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.

The solution for

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

Technology

- VFI “online double conversion”

Certifications

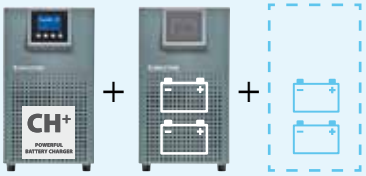
RoHS COMPLIANT

Autonomy configurations (1/1 models)

- Flexible autonomy

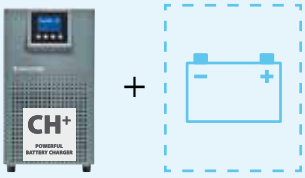
UPS with internal batteries (standard model) + Modular battery extension with 1 or 2 strings

- Extendable autonomy



UPS without internal batteries and with powerful battery charger + N+1 modular battery extension with 1 or 2 strings

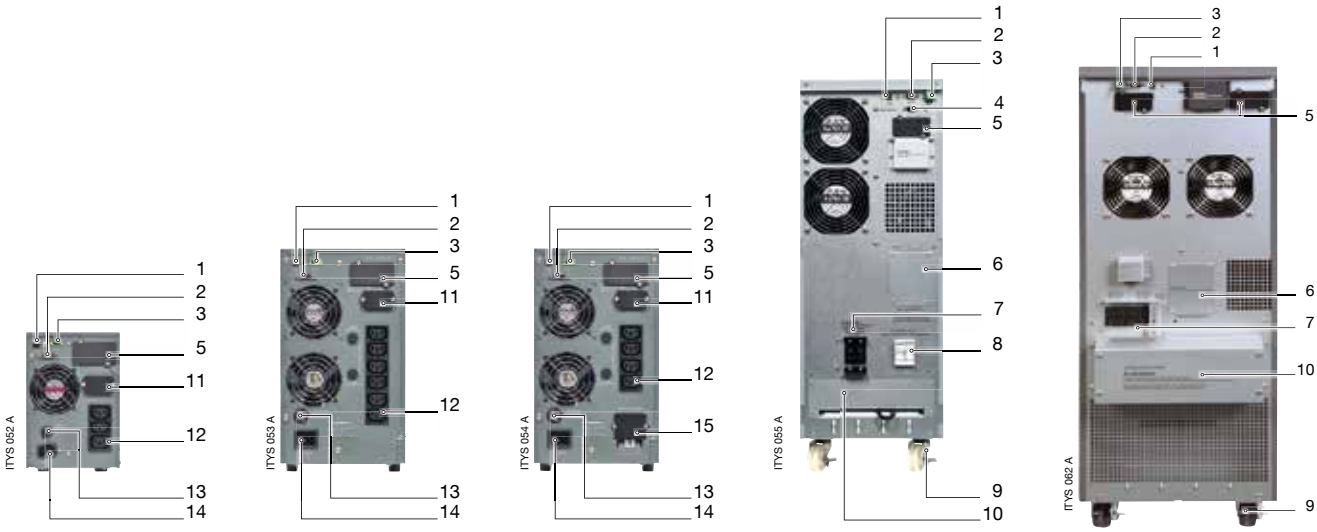
- Long autonomy



UPS without internal batteries and with powerful battery charger + External battery cabinet

socomec Innovative Power Solutions

Connections



ITYS 1 kVA | ITYS 2 kVA | ITYS 3 kVA | ITYS 6 - 10 kVA | ITYS 10 kVA - X/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.

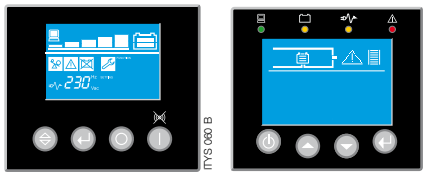
Technical data

	ITYS - UPS					
Model	ITY2-TW010B	ITY2-TW020B	ITY2-TW030B	ITY2-TW060B	ITY2-TW100B	ITY2-TW110B
Sn	1000 VA	2000 VA	3000 VA	6000 VA	10000 VA	10000 VA
Pn	800 W	1600 W	2400 W	5400 W	9000 W	9000 W
Input / output	1 / 1					1/1 or 3/1
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	9 min
Battery charger(3)	8 A			4 A		-
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
Weight (models without internal batteries)	7 kg	13 kg		25.5 kg	29.5 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 without batteries

Standard communication features

- 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.
- Clear and uncluttered LCD interface for easy UPS monitoring, even for less specialist users.



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.