



ITYS

Reliable and versatile power protection
from 1 to 10 kVA

Single-phase UPS



GAMME 307 A

The solution for

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

Technology

- > VFI "online double conversion"

Certifications



Autonomy configurations (1/1 models)

> Flexible autonomy



UPS with internal batteries (standard model)

+

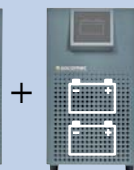


Modular battery extension with 1 or 2 strings

> Extendable autonomy



UPS without internal batteries and with powerful battery charger



N+1 modular battery extension with 1 or 2 strings

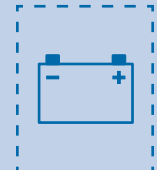


> Long autonomy



UPS without internal batteries and with powerful battery charger

+



External battery cabinet

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.

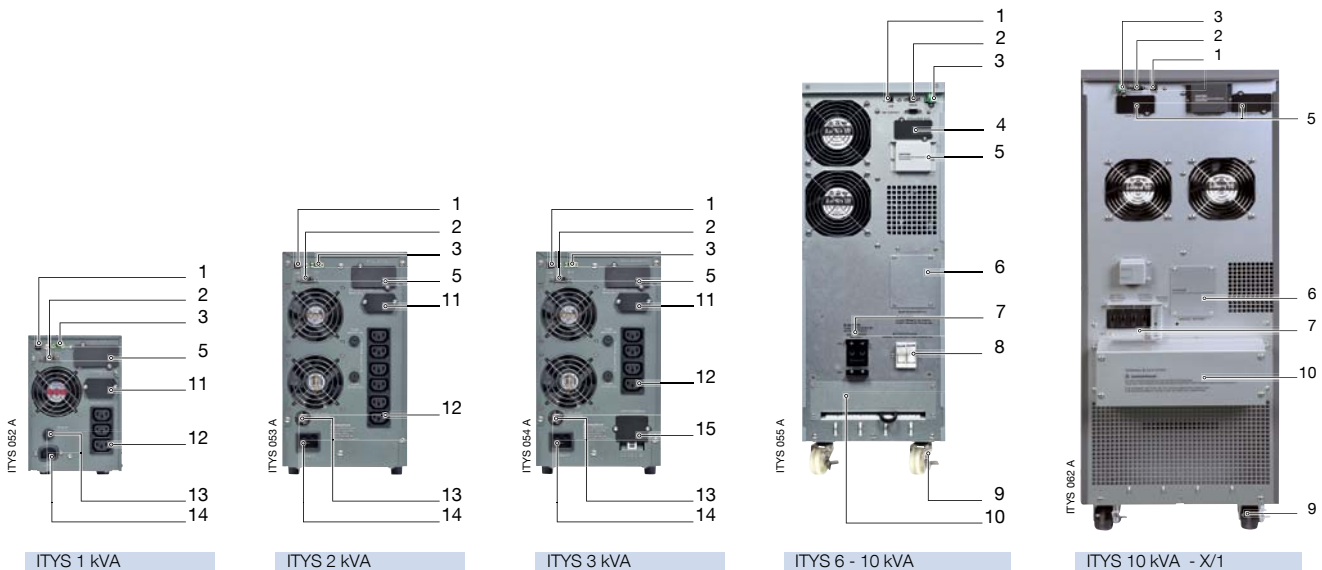
Robust and versatile

- 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.

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					
		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					50/60 Hz ± 10 %
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 (45±55 Hz/54±66 Hz)					
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 92%				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 mm	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	115 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 62040.1					
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

Advanced communication

- Wide range of communication protocols available as options (including JBUS, TCP/IP and SNMP) for integration into LAN networks or building management systems (BMS).
- RS232 advanced connection for the management of power supply and local/remote shutdown of the applications with Windows®, Linux and Mac OS X® systems.
- USB port for direct interfacing with Windows® and Mac OS X® systems.
- Clear and uncluttered LCD interface for easy UPS monitoring, even for less specialist users.



ITYS 1-2-3 kVA



ITYS 6-10 kVA

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 (standard for all models).
- NET VISION: professional network adapter for monitoring and controlling UPS units from a remote location (option for all models).