



ITYS

UPS from 1 to 10 kVA

Highly reliable protection for IT and
critical industrial applications



ITYS

Professional solutions for total protection

Problems with power quality and continuity can be sudden and very frequent. ITYS from 1 to 10 kVA ensures high availability, operational efficiency and total electrical protection for your business against any electrical disturbance and fault.



Why power quality is vital

The electronic and IT equipment, safety systems and control devices that have been installed to correctly operate a company's critical applications are all vital elements in today's fast-changing business world. At the same time, such equipment is itself more sensitive to electrical disturbances than in the past. Power problems are not the exclusive concern of big enterprises and organizations. Your computers, servers and network equipment are as much part of your business capital as for a large company's data centre. Downtime and inefficiency are costly and can affect your internal and business transactions as well as your reputation. What also needs to be considered is the delay in restarting the devices and processes and restoring any files that may have been damaged or corrupted. Having a well-designed and thought-through strategy for protecting the power supply means a company's 'business continuity' is assured, as well as being a tangible economic benefit.

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.

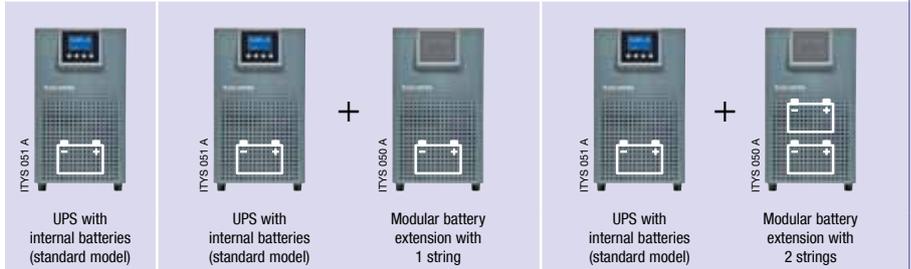
The solution for

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

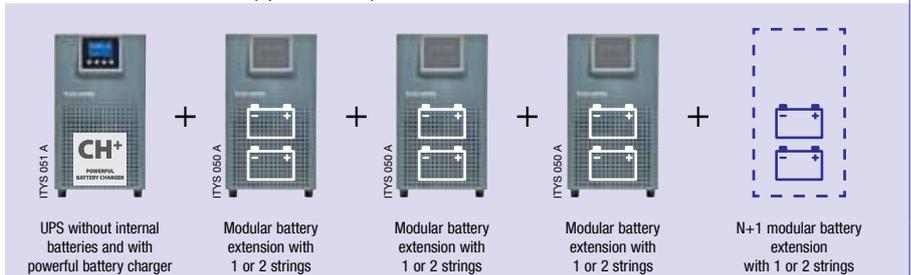
Wide battery configurability

- 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.

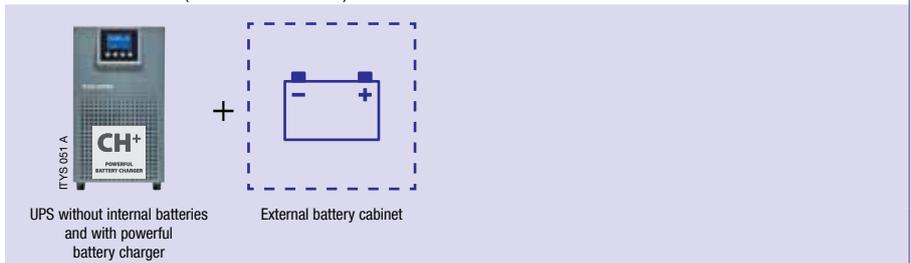
FLEXIBLE AUTONOMY (up to 1 hour)⁽¹⁾



EXTENDABLE AUTONOMY (up to 2 hours)⁽¹⁾

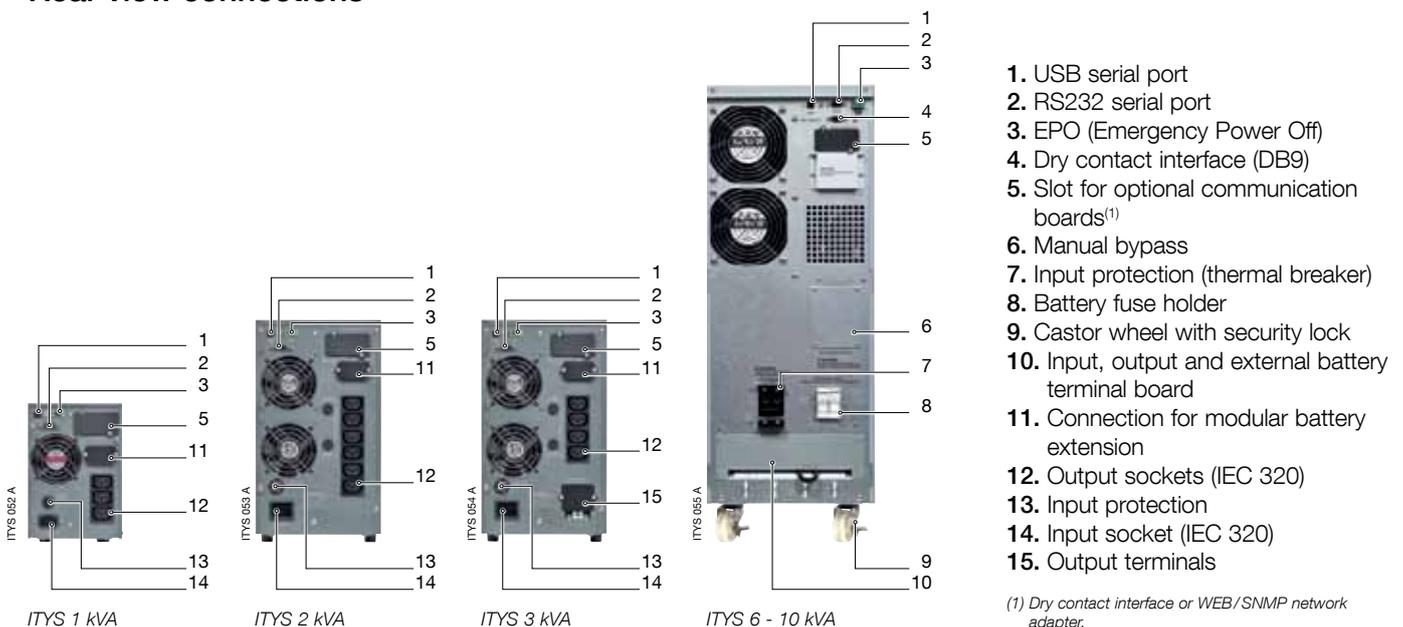


LONG AUTONOMY (more than 2 hours)⁽¹⁾



(1) Depending on model and load.

Rear view connections



Technical data

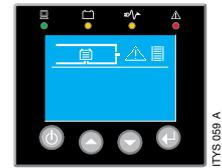
| ITYS - UPS | | | | | |
|---|--|--------------------|-------------------------------|---------------------------|--------------|
| Model with internal batteries | ITY2-TW010B | ITY2-TW020B | ITY2-TW030B | ITY2-TW060B | ITY2-TW100B |
| Model without internal batteries | ITY2-TW010LB | ITY2-TW020LB | ITY2-TW030LB | ITY2-TW060LB | ITY2-TW100LB |
| Sn | 1000 VA | 2000 VA | 3000 VA | 6000 VA | 10000 VA |
| Pn | 800 W | 1600 W | 2400 W | 5400 W | 9000 W |
| Input/output | 1/1 | | | | |
| INPUT | | | | | |
| Rated voltage | 230 V | | | | |
| Voltage tolerance | 110÷300 V | | 176÷276 V | | |
| Rated frequency | 50/60 Hz | | | | |
| Power factor | 0.98 | | | | |
| OUTPUT | | | | | |
| Rated voltage | 208/220/230/240 V | | | | |
| Voltage tolerance | ± 2% | | | ± 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 | |
| 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 | | |
| Back-up time @75% of rated load (models with internal batteries) PF 0.7 | 10 min | 17 min | 9 min | 13 min | 9 min |
| Battery charger (models without internal batteries) | 8 A | | | 4 A | |
| COMMUNICATION | | | | | |
| Interfaces | RS232 - USB | | | RS232 - USB - Dry contact | |
| Ethernet adapter | NET VISION (TCP/IP & SNMP) optional card | | | | |
| Local communication software | Local View | | | | |
| EFFICIENCY | | | | | |
| Online mode | up to 92% | | | | |
| 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 | 145 x 400 x 220 mm | 192 x 460 x 347 mm | 260 x 550 x 708 mm | | |
| Weight (models with internal batteries) | 13 kg | 31 kg | 80 kg | 84 kg | |
| Weight (models without internal batteries) | 7 kg | 13 kg | 25.5 kg | 29.5 kg | |
| Degree of protection | IP20 | | | | |
| STANDARDS | | | | | |
| Safety | EN 62040-1 | | | | |
| EMC | EN 62040-2 | | | | |
| Product certification | CE | | | | |
| ITYS - MODULAR BATTERY EXTENSION | | | | | |
| Model | ITY2-EX010HB | ITY2-EX030HB | ITY2-EX100HB | | |
| Number of strings | 1 | 1 | 1 | | |
| Model | ITY2-EX010B | ITY2-EX030B | ITY2-EX100B | | |
| Number of strings | 2 | 2 | 2 | | |

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).

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