

# ITYS

Reliable and versatile power protection  
from 1 to 10 kVA

Prime



gamme\_ba6.psd

## Robust and easy to install

- Compact tower UPS system saves space in the operating environment.
- Quick and simple installation: no configuration necessary 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.
- Wide operating ambient temperature up to 45°C.
- Single and three-phase input with automatic configuration (8-10 kVA).

## High protection and availability

- True online double conversion technology (VFI) assures high availability and total load protection.
- Compatible with different applications, operating environments and generator sets.
- Automatic bypass supplies the loads in the event of overloads or faults.
- Manual bypass for periodic or emergency maintenance.
- Standard Over Voltage Control Device (OVCD) protects the UPS and the load from dangerous mains peak-voltages.

## Certified product

- Safety compliance certified by TÜV.
- Performance tested and verified by third independent laboratory.

## Wide battery configurability

- Modular battery extension flexibility enables limitless autonomy configuration.
- Hot-swap modular battery extension increases back-up times even after installation according to the load criticality to be supplied.
- Modular battery extension enables models with integrated powerful battery charger:
  - ensure constant and reliable operation using external high capacity batteries.
  - provide power supply continuity during long outages.
  - assure a fast recharging.

## The solution for

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

## Compliance with standards

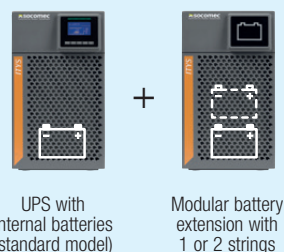
- > IEC 62040-1
- > IEC 62040-2
- > IEC 62040-3

## Certifications

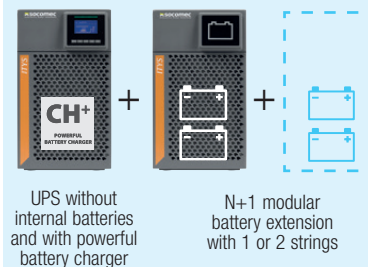


## Autonomy configurations (1/1 models)

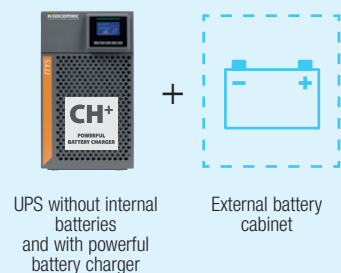
### > Flexible autonomy



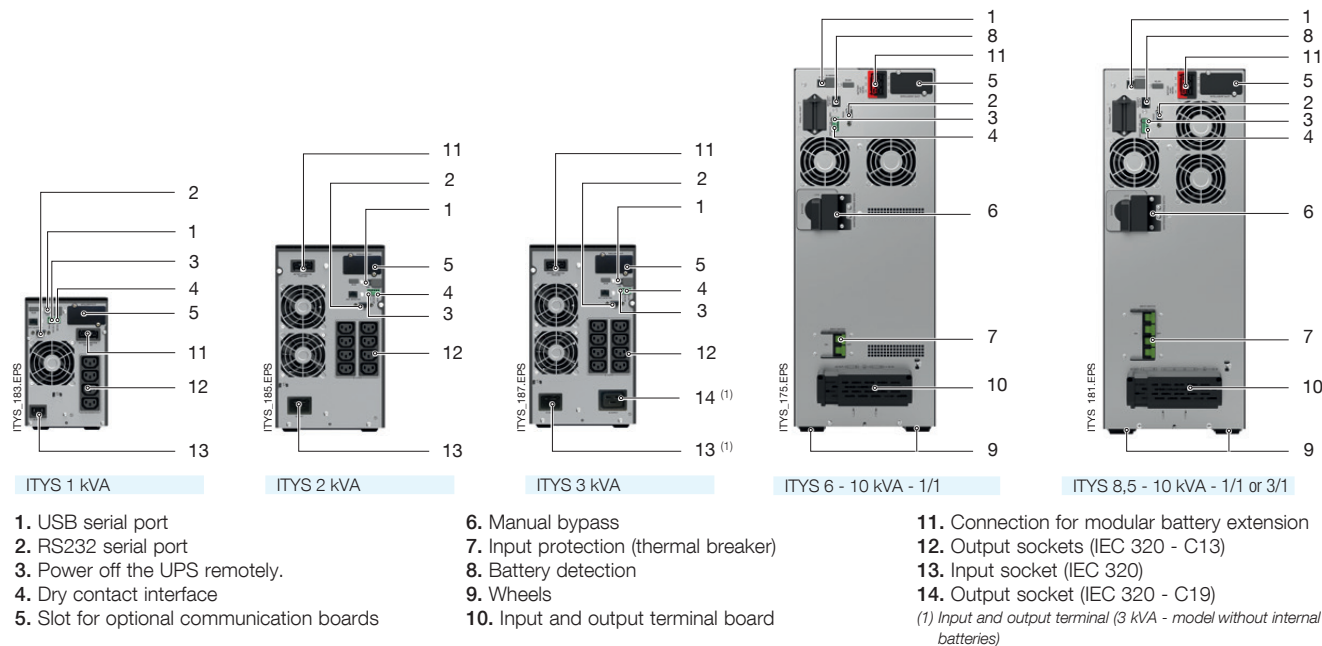
### > Extendable autonomy



### > Long autonomy



Connections



Technical data

| ITYS - UPS                                 |                                                                    |                   |                            |                                                       |             |                          |             |
|--------------------------------------------|--------------------------------------------------------------------|-------------------|----------------------------|-------------------------------------------------------|-------------|--------------------------|-------------|
| Model                                      | ITY3-TW010B                                                        | ITY3-TW020B       | ITY3-TW030B                | ITY3-TW060B                                           | ITY3-TW100B | ITY3-TW108B              | ITY3-TW110B |
| Sn                                         | 1000 VA                                                            | 2000 VA           | 3000 VA                    | 6000 VA                                               | 10000 VA    | 8500 VA                  | 10000 VA    |
| Pn                                         | 1000 W                                                             | 2000 W            | 3000 W                     | 6000 W                                                | 10000 W     | 8500 W                   | 10000 W     |
| Input/output                               | 1/1                                                                |                   |                            |                                                       |             | 1/1 or 3/1               |             |
| INPUT                                      |                                                                    |                   |                            |                                                       |             |                          |             |
| Rated voltage                              | 230 V (1/1)<br>110÷300 V; (160÷300 V @100% load)                   |                   |                            | 230 V (1/1)<br>110÷276 V; (160÷276 V @100% load)      |             | 400 V (3/1), 230 V (1/1) |             |
| Rated frequency                            | 40-70 Hz (50/60 Hz +/-5% Auto-Selectable)                          |                   |                            |                                                       |             |                          |             |
| Power factor                               | >0,99                                                              |                   |                            |                                                       |             |                          |             |
| OUTPUT                                     |                                                                    |                   |                            |                                                       |             |                          |             |
| Rated voltage                              | 220 / 230 / 240 V (± 1 %)                                          |                   |                            |                                                       |             |                          |             |
| Rated frequency                            | 50/60 Hz (± 0.1 Hz in battery mode)                                |                   |                            |                                                       |             |                          |             |
| Overload                                   | up to 105% continuously; 125% x 3 min;<br>150% x 30 sec            |                   |                            | up to 105% continuously; 125% x 10 min; 150% x 30 sec |             |                          |             |
| Crest factor                               | 3:1                                                                |                   |                            |                                                       |             |                          |             |
| Connections                                | 4 x IEC 320 (C13)                                                  | 8 x IEC 320 (C13) | 8 x IEC 320 (C13)+ 1 (C19) | terminals                                             |             |                          |             |
| BATTERIES                                  |                                                                    |                   |                            |                                                       |             |                          |             |
| Type                                       | sealed lead-acid maintenance free - expected life 3 / 5 years      |                   |                            |                                                       |             |                          |             |
| Voltage                                    | 36 V DC                                                            | 72 V DC           |                            | 192 V DC                                              |             |                          |             |
| Back-up time <sup>(1)(2)</sup>             | 12 min                                                             | 16 min            | 9 min                      | 11 min                                                | 7 min       | 9 min                    | 7 min       |
| Battery charger <sup>(3)</sup>             | 8 A                                                                |                   |                            | 12 A                                                  |             |                          |             |
| COMMUNICATION                              |                                                                    |                   |                            |                                                       |             |                          |             |
| Interfaces                                 | RS232 - USB - Dry contact                                          |                   |                            |                                                       |             |                          |             |
| Ethernet adapter                           | NET VISION (TCP / IP & SNMP) optional card                         |                   |                            |                                                       |             |                          |             |
| Local communication software               | Local View                                                         |                   |                            |                                                       |             |                          |             |
| EFFICIENCY                                 |                                                                    |                   |                            |                                                       |             |                          |             |
| Online mode                                | up to 93 %                                                         |                   |                            | up to 95 %                                            |             |                          |             |
| ENVIRONMENT                                |                                                                    |                   |                            |                                                       |             |                          |             |
| Ambient service temperature                | from 0 °C to +40 °C (up to 45 °C <sup>(4)</sup> )                  |                   |                            |                                                       |             |                          |             |
| 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 404 x 224                                                    | 192 x 428 x 322   |                            | 225 x 416 x 589                                       |             |                          |             |
| Weight (models with internal batteries)    | 14,4 kg                                                            | 26 kg             |                            | 53 kg                                                 | 61 kg       | 58 kg                    | 61 kg       |
| Weight (models without internal batteries) | 8 kg                                                               | 11 kg             |                            | 13,5 kg                                               | 15,8 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, RoCM (E2376)                                                   |                   |                            |                                                       |             |                          |             |

(1) @75 % of rated load (models with internal batteries) PF 0.7 (3) Models without batteries  
(2) Models with internal batteries (4) Conditions apply.

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.



System features

- Embedded dry-contact interface.
- Input mains switch breaker.
- Connection for battery extension modules.
- Power off the UPS remotely.
- Internal temperature sensor.

Communication options

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