

ITYS

Reliable and versatile power protection
from 1 to 10 kVA

Prime



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

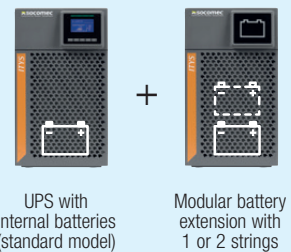
- > IEC 62040-1
- > IEC 62040-2
- > IEC 62040-3

Certifications

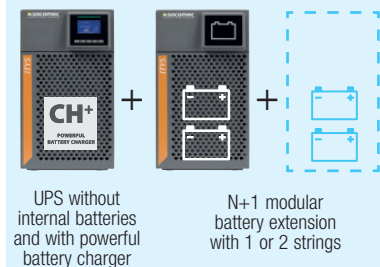


Autonomy configurations (1/1 models)

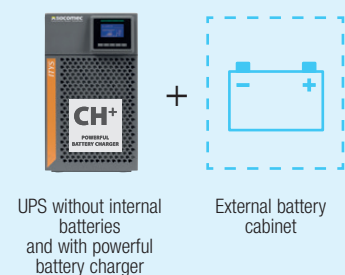
> Flexible autonomy



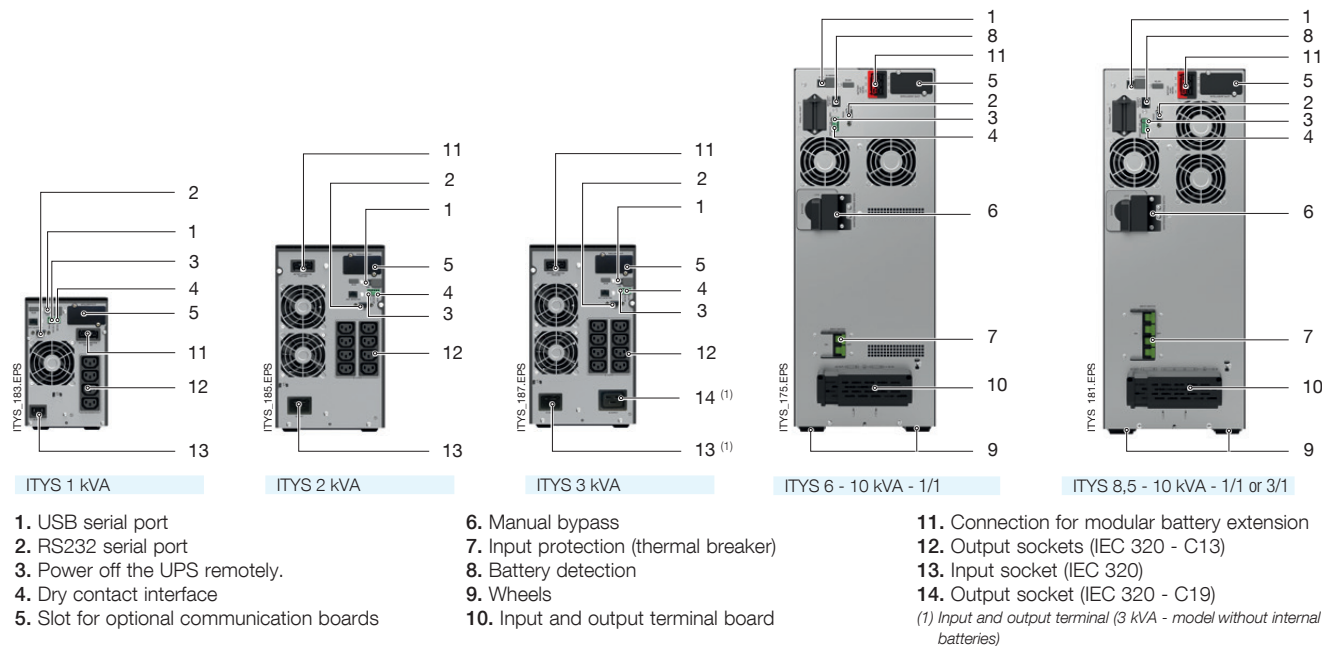
> Extendable autonomy



> 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) 110÷300 V; (160÷300 V @100% load)			230 V (1/1) 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; 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 ⁽¹⁾⁽²⁾	12 min	16 min	9 min	11 min	7 min	9 min	7 min
Battery charger ⁽³⁾	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 ⁽⁴⁾)						
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.