



# ITYS

from 1 to 10 kVA

continuity solutions for business IT & industrial applications

Single-phase UPS



## The solution for

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

## High protection and high availability

- Online double conversion technology (VFI) and sinusoidal absorption compatible with all IT and industrial applications, operating environments and when used in conjunction with a generator set.
- Permanent regulation of output voltage and frequency.
- Wide tolerance of the input voltage limits the number of switchovers to battery mode, prolonging the battery life.
- The automatic bypass takes over immediately in the event of overloads or faults, ensuring continuous power supply to the loads.

## Simple to install and easy to use

- The UPS comes ready for power up with the internal batteries connected and fully charged. The auto restart function to restart even in the event of prolonged power failure.
- No special plant preparation required thanks to the built-in magneto-thermal protection.
- The power distribution graphic display shows at-a-glance if the system is working correctly or not. Battery health can be checked either via the control panel or using a remote PC.

## Operating efficiency and versatility

- The standard configuration and the communication accessories can easily be adapted to a wide range of operating environments.
- The manual bypass means that on site periodic and / or emergency maintenance can be performed on the 6 and 10 kVA models without having to disconnect the loads.
- The communication software can be used to program scheduled start-up and shutdown where automatic power management procedures are required.

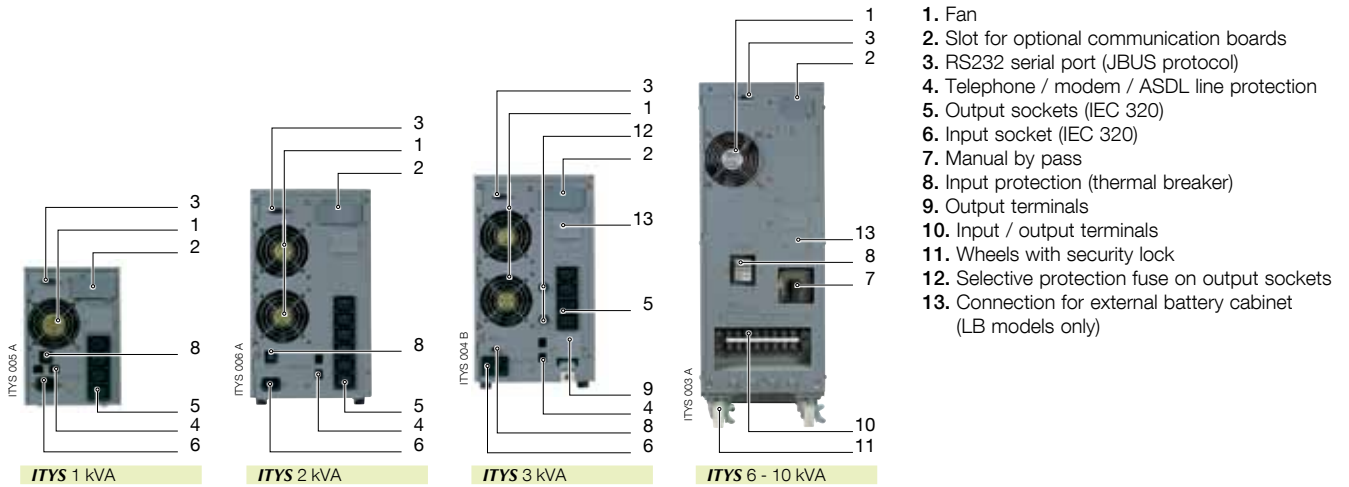
## Standard communication features

- **LOCAL VIEW:** ideal UPS monitoring and shutdown point-to-point solution for Windows® operating system.
- **UNI VISION:** software for the control and automatic shutdown of applications connected to Linux.
- **UNI VISION PRO:** advanced user interface via serial link and multiple shutdown management for several operating systems.
- MODBUS/JBUS RTU.

## Communication options

- **NET VISION:** professional WEB/SNMP interface for UPS monitoring and shutdown management of several operating systems.
- Dry-contact interface.

## Connections

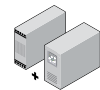


## Technical data

ITYS					
Item code	ITY-TW010B	ITY-TW020B	ITY-TW030B/LB	ITY-TW060B/LB	ITY-TW100B/LB
Sn [kVA]	1000	2000	3000	6000	10000
Pn [kW]	700	1400	2100	4200	7000
Input/output	1/1				
<b>INPUT</b>					
Rated voltage	230 V				
Voltage tolerance	160÷300 V (up to 110 V at 60% of the load)			176÷276 V	
Rated frequency	50/60 Hz				
Power factor	0,98				
<b>OUTPUT</b>					
Rated voltage	230 V (can be set to 220/240 V)				
Voltage tolerance	± 1.5%			± 1%	
Rated frequency	Syncro range 46÷54 Hz				
Frequency stability (for 50 Hz)	50 Hz ± 0.2 in battery mode			50 Hz ± 0.05 in battery mode	
Overload	Up to 150% for 30 seconds			Up to 130% for 10 minutes	
Crest factor	3:1				
Connections	4 x IEC 320	6 x IEC 320	4 x IEC 320 + terminals	terminals	
<b>BATTERIES</b>					
Type	sealed lead-acid maintenance free - expected life 3/5 years				
Back-up time @75% of the rated load	10 min	17 min	9 min/without internal batteries	13 min/without internal batteries	9 min/without internal batteries
<b>COMMUNICATION</b>					
Interfaces	RS232 on DB9 connector				
COMM slots	•	•	•	•	•
Modem/ADSL surge protection	•	•	•	•	-
<b>EFFICIENCY</b>					
Online mode	up to 90%				
<b>ENVIRONMENT</b>					
Operating ambient temperature	from 0 °C to +40 °C (from 15 °C to 25 °C for best battery life)				
Relative humidity	0-90 % non-condensing				
Maximum altitude	1000 m without de-rating (3000 m max)				
Acoustic level at 1 m	45 dBA			55 dBA	
<b>UPS CABINET</b>					
Dimensions W x D x H	145 x 400 x 220 mm	192 x 460 x 350 mm		260 x 570 x 715 mm	
Weight	14 kg	34 kg	35/16 kg	84/35 kg	93/38 kg
Degree of protection	IP20 (compliant with a IEC 60529)				
Colours	Case 430C, plastic panel 431C				
<b>STANDARDS</b>					
Safety	EN 62040-1, AS 62040-1				
EMC	EN 62040-2, AS 62040-2				
Product declaration	Equipped with input filters to eliminate atmospheric disturbance				
	CE marking				

## Battery extension (available with LB models only)

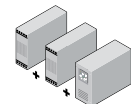
ITYS 0209 A



ITYS	UPS +1 EBM
3000	75 min. +2 (ITY-EX030B)
6000	50 min. +1 (ITY-EX0100B)
10000	27 min. +1 (ITY-EX0100B)

(@ 75% of rated load)

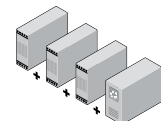
ITYS 0309 A



ITYS	UPS +2 EBM
3000	30 min. +1 (ITY-EX030B)
6000	100 min. +2 (ITY-EX0100B)
10000	58 min. +2 (ITY-EX0100B)

(@ 75% of rated load)

ITYS 0319 A



ITYS	UPS +3 EBM
3000	120 min. +3 (ITY-EX030B)
6000	150 min. +3 (ITY-EX0100B)
10000	90 min. +3 (ITY-EX0100B)

(@ 75% of rated load)