



Illustrative photo

## RELIABLE AND VERSATILE POWER PROTECTION FOR

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

## ROBUST AND EASY TO INSTALL

- Compact tower UPS system saves space in the operating environment.
- Quick and simple installation: no configuration necessary on first start-up.
- 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.

## 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 charging.

## 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.



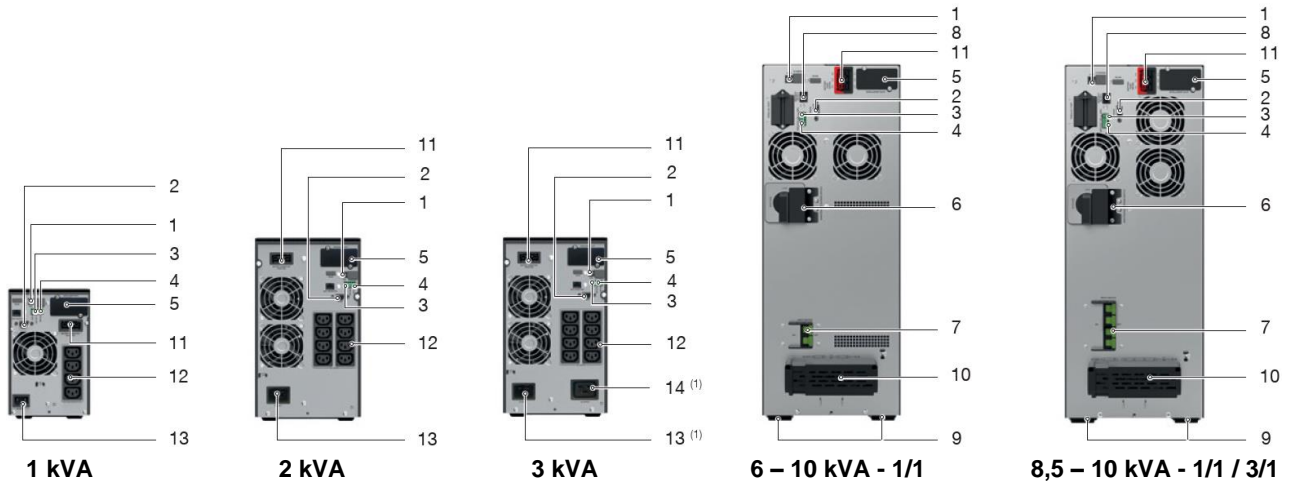
## SYSTEM FEATURES

- 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.

## CONNECTIONS



- |  |   |  |
|--|---|--|
| <ol style="list-style-type: none"> <li>1. USB serial port</li> <li>2. RS232 serial port</li> <li>3. Power off the UPS remotely</li> <li>4. Dry contact interface</li> <li>5. Slot for optional communication boards</li> </ol> | <ol style="list-style-type: none"> <li>6. Manual bypass</li> <li>7. Input protection (thermal breaker)</li> <li>8. Battery detection</li> <li>9. Wheels</li> <li>10. Input and output terminal board</li> </ol> | <ol style="list-style-type: none"> <li>11. Connection for modular battery extension</li> <li>12. Output sockets (IEC 320 - C13)</li> <li>13. Input socket (IEC 320)</li> <li>14. Output socket (IEC 320 - C19)</li> </ol> <p><i>(1) Input and output terminal (3 kVA - model without internal batteries)</i></p> |
|--|---|--|

## TECHNICAL DATA

ITYS							
Apparent power (kVA)	1000	2000	3000	6000	10000	8500	10000
Active power (kW)	1000	2000	3000	6000	10000	8500	10000
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)		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	208/220/230/240 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 IEC320 (C13)	8 x IEC320 (C13)	8 x IEC320 (C13) + 1 (C19)	terminals			
BATTERIES							
Type	sealed lead-acid maintenance free - expected life 3 / 5 years						
Voltage	36 VDC	72 VDC		192 VDC			
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, RCM (E2376)					

1) @75 % of rated load (models with internal batteries) PF 0.7.

2) Models with internal batteries.

3) Models without batteries.

4) Conditions apply.