# OFYS RT

## Reliable protection for critical equipment
from 1 to 6 kVA


OFYS RT is a single-phase UPS range designed to protect professional IT infrastructures, ensuring cost competitive solutions.

### Fast and easy installation

- No configuration needed on first startup.
- Compact footprint (2U/89 mm) for installation in rack cabinets.
- Space saving and flexible “tower-to-rack” conversion mode.
- Easy connections to the applications via IEC 320 sockets or terminals.

### Easy to use

- Clear and uncluttered LCD interface with buzzers that immediately indicates the operating status of the UPS, even for less specialist users.
- The communication package provides connection via USB, with optional relay board card and SNMP interfaces.

### Reliable power protection

- Double conversion technology guarantees voltage and frequency stability whatever the mains condition.
- Wide tolerance of the input voltage limits the number of switchovers to battery mode, prolonging the battery life.
- In the event of a power failure, the service continuity is guaranteed by the inverter powered by rechargeable batteries.
- The automatic bypass takes over immediately in the event of overloads or faults, ensuring continuous power supply to the loads.

### The solution for

- Small computer rooms
- Servers and networking
- VoIP communication systems
- Structured cabling systems
- Video surveillance systems

### Compliance with standards

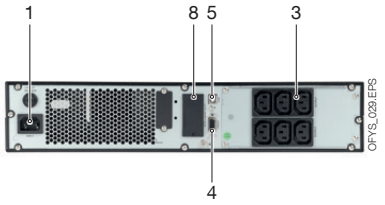
- IEC 62040-1
- IEC 62040-2
- IEC 62040-3

### Certifications and attestations

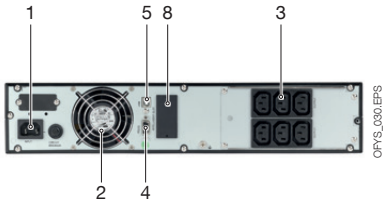
### Advantages

RACK / TOWER

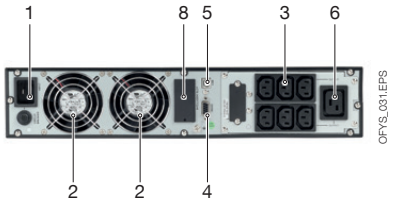
## Connections



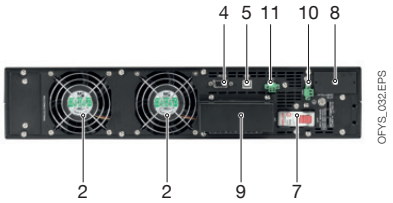

1 kVA




2 kVA



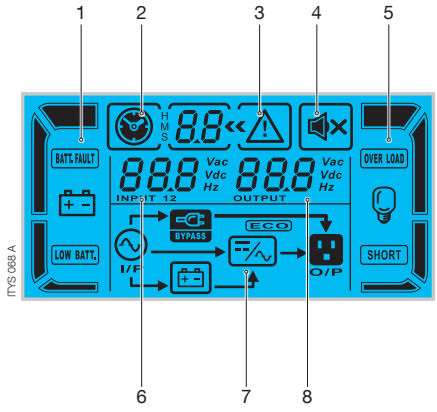

3 kVA




6 kVA

**1.** Mains input socket
**2.** Fan
**3.** Output socket
**4.** RS232 interface
**5.** USB port
**6.** Output sockets (full power)
**7.** Input protection
**8.** Slot for optional communication boards
**9.** Input and output terminals
**10.** External maintenance bypass port
**11.** EPO (Emergency Power Off)

## Control panel




**1.** Battery level/Battery Status
**2.** Backup time info
**3.** General Alarm
**4.** Buzzer off
**5.** Load level / Load status
**6.** Input value
**7.** UPS mode
**8.** Output value

## Technical data

| | OFYS RT | | | |
|---|---|---|---|---|
| Model | U1000 | U2000 | U3000 | U6000 |
| Sn | 1000 VA | 2000 VA | 3000 VA | 6000 VA |
| Pn | 900 W | 1800 W | 2700 W | 6000 W |
| Input / output | 1/1 | | | |
| Architecture | online double conversion VFI with input PFC and automatic bypass | | | |
| INPUT | | | | |
| Rated voltage | 208/220/230/240 V | | | |
| Voltage tolerance | 180÷280 VAC (100% load); 120÷300 VAC (50% load) | | | 176÷300 VAC ± 3% (100% load); 110÷300 VAC ± 3% (50% load) |
| Frequency | 50/60 Hz with automatic selection | | | |
| Mains connection | IEC 320 (10 A) | | IEC 320 (16 A) | terminals |
| OUTPUT | | | | |
| Rated voltage | 208/220/230/240 V | | | |
| Frequency | 50/60 Hz ± 8 % (± 0.1% in battery mode) | | | |
| Overload capability | <105% continuously; <130% for 30 sec; <150% for 3 sec; >150% immediate off | | | <110% for 10min; <130% for 1 min; >130% for 1 sec |
| Connections | 6 x IEC 320 (10 A) | | 6 x IEC 320 (10 A) 1 x IEC 320 (16 A) | terminals |
| COMMUNICATION | | | | |
| Interfaces | RS232 - USB | | | |
| Local communication software | Local View | | | |
| ENVIRONMENT | | | | |
| Operating ambient temperature | from 0 °C to +40 °C (from 15 °C to 25 °C for optimal battery life) | | | |
| Storage temperature | from -15 °C to +50 °C (from 15 °C to 25 °C for optimal battery life) | | | |
| Relative humidity | 20-90% non-condensing | | | 0 - 95% no condensing |
| Noise level | < 50 dB | | | < 55 dB |
| UPS CABINET | | | | |
| Dimensions W x D x H | 438 x 310 x 89 mm | 438 x 410 x 89 mm | 438 x 630 x 89 mm | 438 x 610 x 89 mm |
| Weight | 10.8 kg | 18.2 kg | 29.3 kg | 17 kg |
| EXTERNAL BATTERY MODULE | | | | |
| Model | - | | OFYS-RT-B192V2U[1] | OFYS-RT-B240V3U |
| Dimensions W x D x H | - | | 438 x 688 x 89 mm | 438 x 610 x 133 mm |
| Weight | - | | 48 kg | 65 kg |
| STANDARDS | | | | |
| Safety | EN 62040-1 | | | |
| EMC | EN 62040-2 | | | |
| Performance | EN 62040-3 | | | |
| Product certification | CE; RCM (E2376), UKCA | | | |

*(1) @80% of rated load.*

## Standard communication features

- 1 slot for communication options.
- LOCAL VIEW software for local UPS monitoring and shutdown for Windows, Linux and MAC Osx.
- LCD interface for UPS monitoring.

## Communication options

- Relay board card for UPS remote diagnostic.
- WEB/SNMP interface for UPS monitoring and management.

## Electrical options

- Rail kit.
- Hot-swap manual bypass (MBP-1U-IEC).