

OFYS RT

Reliable protection for critical equipment
from 1 to 6 kVA

Prime



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



OFYS RT is a single-phase UPS range designed to protect professional IT infrastructures, ensuring cost competitive solutions that meet both requirements of power reliability and installation flexibility.

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.

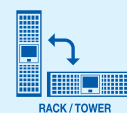
Easy to use

- 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.

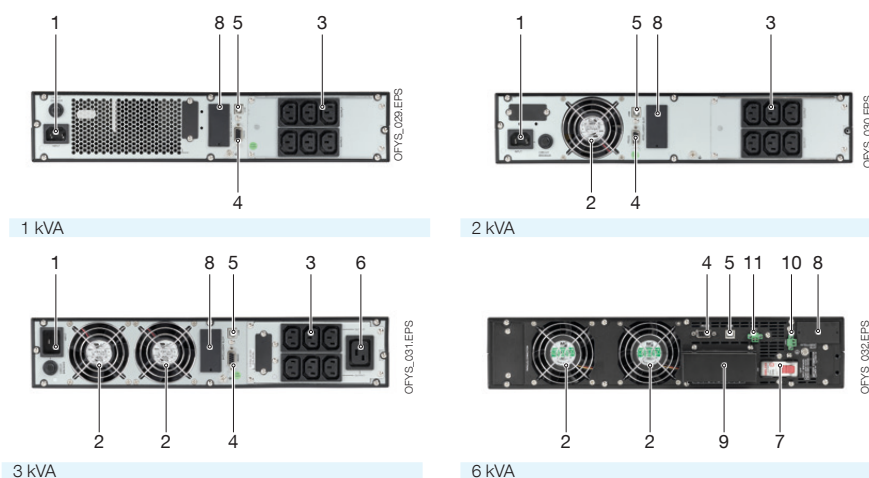
Reliable power protection

- 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.

Advantages



Connections



- 1 kVA
1. Mains input socket
 2. Fan
 3. Output socket
 4. RS232 interface
 5. USB port
 6. Output sockets (full power)

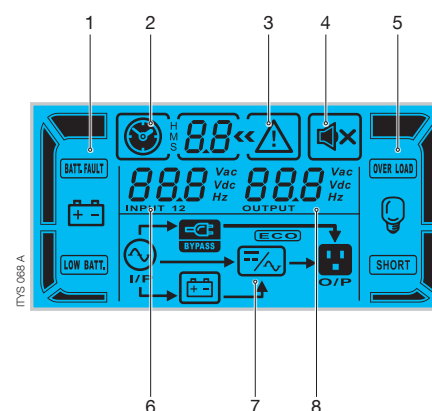
- 2 kVA
7. Input protection
 8. Slot for optional communication boards
 9. Input and output terminals
 10. External maintenance bypass port
 11. EPO (Emergency Power Off)

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.

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

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).