# NETYS PR

## High performance protection on rack or tower
from 1700 to 3300 VA - Rack/Tower

### The solution for

- Professional and IT equipment
- Servers and networking devices
- CAD / graphic workstations with monitors and peripherals
- Control systems

### Technology

- VI "line interactive" with AVR, sine wave

### Certifications

RoHS COMPLIANT

### A secure and professional supply continuity

- Ideal solution for protecting small servers, networking devices and peripherals.
- Assures service continuity to critical applications.
- Designed for professional applications: the sinevawe inverter technology assures full compatibility with any kind of load and power supply.

### Tailored to IT networking

- The space and time-saving tower/rack conversion option means it can be installed easily either in tower mode or inside standard 19" rack cabinets depending on the user's needs.

### Simple to install

- No configuration needed on first startup.
- Compact footprint (2U/89 mm) for installation in rack cabinets.
- Attractive design for visible installation in offices.
- USB port and HID protocol as standard for direct interfacing with Windows® systems, without the need for additional specialist software.

### Protection for your data line

- Integrated NTP protection for LAN/ADSL connection against the risk of data line overvoltage.

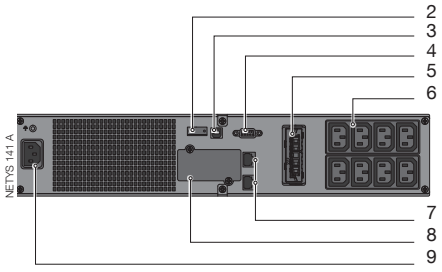
### Meets practical needs

- Optional battery extension modules (EBM) to meet all back-up time requirements, even after installation.
- Clear and uncluttered LCD interface, with buzzers that immediately indicate the operating status of the UPS, even for less specialist users.
- Simplified maintenance and Battery 'hot swap', without closing down other applications.

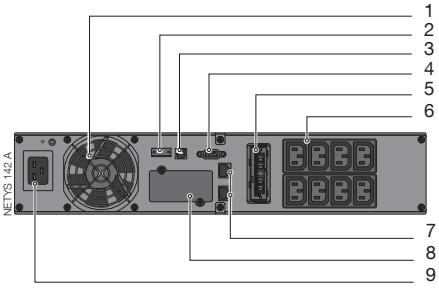
### Easy to use and to integrate

- Wide range of communication protocols available in options (including JBUS, TCP/IP and SNMP) for integration into LAN networks or building management systems (BMS).
- Easy connections to the applications (depending on power) via 8 or 8+1 IEC 320 (IT standard) sockets.
- Load segmentation function to prioritize loads and manage critical situations.
- EPO (Emergency Power Off) emergency stop.
- RS232 advanced connections for the management of the power supply and local/ remote shutdown of applications.

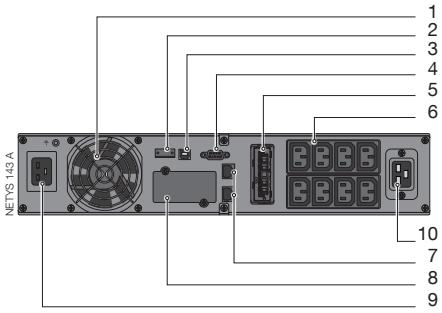
## Connections




1700 VA



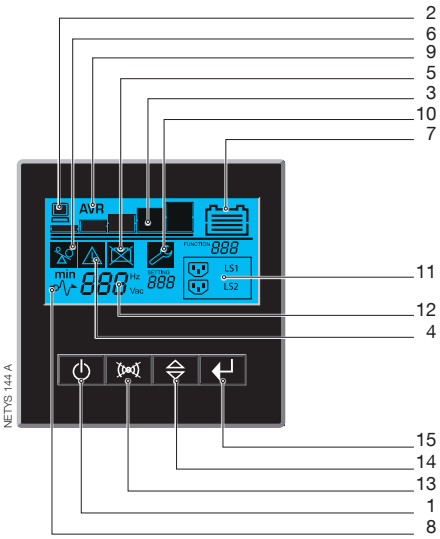

2200 VA




3300 VA

1. Fan / air vents
2. EPO Emergency Power Off
3. USB serial port
4. RS232 serial port
5. Connector for external battery extension
6. UPS output sockets (2 segments)
7. NTP protections (RJ45)
8. Slot for optional communication boards
9. Input socket
10. UPS full power output socket

## Control panel




1. On / Off
2. Load present
3. Load level (5 steps)
4. General Alarm
5. Battery fault / Replace the battery
6. Overload
7. Battery capacity
8. Normal mode / Battery mode (flashing)
9. Automatic Voltage / Regulation active
10. Configuration
11. Programmable outlets
12. Input value
13. UPS test / Buzzer off
14. Navigator button
15. Enter

## Technical data

| | *NETYS PR Rack/Tower* | | |
|---|---|---|---|
| Model | NPR-1700-RT | NPR-2200-RT | NPR-3300-RT |
| Sn | 1700 VA | 2200 VA | 3300 VA |
| Pn | 1350 W | 1800 W | 2700 W |
| Input/output | 1/1 | | |
| **INPUT** | | | |
| Rated voltage | 230 V | | |
| Voltage tolerance | 161 V ±4% (selecting wide mode) -276 V ±4% | | |
| Rated frequency | 50/60 Hz with automatic selection | | |
| Mains connection | IEC320-C14 (10 A) | IEC320-C20 (16 A) | |
| **OUTPUT** | | | |
| Automatic Voltage Regulation (AVR) | The AVR increases (boost 1) the output voltage by 14% when the input voltage drops below 90% of the nominal value. The AVR decreases (bucks) the output voltage by 12% when the input voltage rises above 106% of the nominal value. | | |
| Rated voltage | 230 V ±5% | | |
| Rated frequency | 50/60 Hz ±0.1% | | |
| Power factor | 0.9 @ 1500 VA | 0.9 @ 2000 VA | 0.9 @ 3000 VA |
| Wave form | Sine wave | | |
| Protection | Normal Mode: overload (110% for 3 minutes) Battery Mode: overload (110% for 30 seconds); shortcircuit protected | | |
| Connections | 8 (10 A) x IEC 320 | | 8 (10 A) x IEC 320 1 (16 A) x IEC 320 |
| **BATTERIES** | | | |
| Type | Sealed lead-acid maintenance free - expected life 3/5 years | | |
| Back-up time (1) | 6 min | 8 min | 6 min |
| **COMMUNICATION** | | | |
| Interfaces | RS232 - USB | | |
| Ethernet adapter | NET VISION (TCP/IP & SNMP) optional card | | |
| Local communication software | Local View | | |
| Data line protection | NTP data line suppressor: RJ45 10 Base T | | |
| **UPS CABINET** | | | |
| Dimensions W x D x H | 440 x 436 x 87 mm | 440 x 608 x 87 mm | |
| Weight | 18 kg | 28.2 kg | 31.5 kg |
| **STANDARDS** | | | |
| Safety | IEC/EN 62040-1, AS 62040.1.1, AS 62040.1.2 | | |
| EMC | IEC/EN 62040-2, AS 62040.2 | | |
| Product declaration | CE, RCM (E2376), UKCA | | |

*(1) @ 75% of load.*

## 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.

## Communication options

- Dry-contact interface.
- NET VISION: professional WEB/SNMP Ethernet interface for secure UPS monitoring and remote automatic shutdown.
- Environmental Monitoring Device (EMD).
- REMOTE VIEW PRO supervision software.
- Rails.

## Battery extensions

| *NETYS PR* | + 1 (NPR-B1700-RT) | + 2 (NPR-B1700-RT) |
|---|---|---|
| 1700 VA | 22 min | 42 min |

| *NETYS PR* | + 1 (NPR-B3300-RT) | + 2 (NPR-B3300-RT) |
|---|---|---|
| 2200 VA | 37 min | 72 min |
| 3300 VA | 22 min | 43 min |