NETYS RT
Total protection on rack or tower from 1100 to 11000 VA

High protection and availability
- Online double conversion technology with sinusoidal waveform, completely filters out all disturbances from / to the mains power supply and ensures maximum protection of the utility.
- Permanent regulation of output voltage and frequency.
- Wide tolerance of the input voltage reduces switchovers to battery mode, prolonging battery life.

Simple to install
- No configuration necessary on first startup.
- Space and time saving ‘tower-to-rack’ conversion mode.
- IEC input and output connections (1100-3300 VA) or terminal input and output connections with built-in magnetothermal input switch (5000-11000 VA).
- Compact footprint (tower mode).
- Compact rack enclosure saving valuable cabinet rack space.

Easy to use
- Clear and uncluttered LCD interface, with buzzers that immediately indicate the operating status of the UPS, even for less specialist users.
- Wide range of communication protocols for integration into LAN networks or Building Management Systems (BMS).
- Load segmentation function to prioritize loads and manage critical situations.
- EPO (Emergency Power Off).
- RS232 advanced connection for the management of power supply and local / remote shutdown of the applications.

Meets practical needs
- Modular battery extension (EBM) to meet all back-up time requirements, even after installation.
- Possibility of 1+1 parallel redundant configuration to maximise the availability of critical utilities, even in the event of a module breakdown (5000-11000 VA).
**NETYS RT**

**Advantages**
- Simple to install
- High protection and availability
- Compact footprint (tower mode).
- Space and time saving 'tower-to-rack'
- No configuration necessary on first startup.
- Single-phase UPS
- Meets practical needs

**Electrical options**
- 1+1 parallel module (5000-11000 VA).
- Battery extension modules.
- Manual bypass without interruption (5000-11000 VA).
- Hot-swap manual bypass (1100-3300 VA).
- Portable multiple German standard outlets with cable and IEC 320-C20 plug.

**Technical data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage (Nominal)</th>
<th>Power Factor</th>
<th>Efficiency</th>
<th>Noise Level</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1100 VA</td>
<td>230 V (1ph)</td>
<td>0.9</td>
<td>0.9</td>
<td>&lt;55 dBA</td>
<td>2U 2U 2U</td>
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<tr>
<td>1700 VA</td>
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**Communication options**
- **RT-VISION**: professional WEB/SNMP interface for UPS monitoring and shutdown management of several operating systems (1100-3300 VA).
- Dry-contact interface.
- Environmental Monitoring Device (EMD).

**Electrical options**
- **1+1 parallel module (5000-11000 VA).**
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- **Manual bypass without interruption (5000-11000 VA).**
- **Hot-swap manual bypass (1100-3300 VA).**
- **Portable multiple German standard outlets with cable and IEC 320-C20 plug.**

**Standard electrical features**
- Built-in backfeed protection.
- RJ11 connection for Emergency Power Off (EPO).
- Connection for battery extension modules.
- Port for parallel operation (5000-11000 VA).

**MODEBUS RTU (RS232).**
- **RT-VISION**: professional WEB/SNMP interface for UPS monitoring and shutdown management of several operating systems (5000-11000 VA).

**Standard communication features**
- **LOCAL VIEW**: ideal UPS monitoring and shutdown point-to-point solution for Windows®, Linux and Mac OS X® operating systems.
- **HID**: UPS management based on Windows® and Mac OS X® embedded service - USB interface (1100-3300 VA).
- **MODBUS RTU (RS232).**
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Connections

1. Mains input socket (IEC 320)
2. Fan
3. Output socket (full power)
4. EPO (Emergency Power Off) input
5. RS232 interface (MODBUS protocol)
6. USB port
7. Input protection
8. Output sockets (IEC 320 - 10 A)
9. Connector for external battery extension
10. Slot for optional communication boards
11. Battery extension connector
12. Output terminals
13. Input terminals
14. Input switch
15. RJ45 LAN ethernet connector
16. Parallel port connector

Electrical options

- Portable multiple German standard sockets
- Manual bypass (5000-11000 VA)
- Hot-swap manual bypass (1100-3300 VA)
NETYS RT 1100-3300 VA - Battery extension

Parallel redundant operation for business continuity

To achieve the highest level of availability and to power critical utilities, NETYS RT UPS modules above 3.3 kVA can be configured for 1:1 redundancy. Redundant operation (1+1) means: the system incorporates one more UPS module than is needed to protect the load; in the event of a breakdown, it guarantees sufficient power supply capacity to the load by maintaining online protection. Parallel technology is based on the principle of load sharing, whereby both units are always kept active. In a redundant configuration, overall system availability is much higher than a conventional UPS system using similar technology. 1+1 redundant configuration does not require additional circuits and can therefore be set up at a later date, simply by using two UPS modules and a collector / manual bypass module which simplifies cabling and maintenance of the UPS installation.

To further streamline the solution, it is also possible to select between operation with separate battery or shared battery, which is extremely useful in the case of applications requiring high levels of autonomy.

Control panel

1. Yellow LED lit. Operation in bypass mode
2. Green LED lit. Mains healthy
3. OFF button
4. Green LED lit. Normal operation (inverter on-line)
5. ON/TEST and buzzer override button
6. Navigator button
7. Alphanumeric LCD display
8. Green LED lit. Status of the load
9. Load status
10. Configuration
11. Programmable outlets
12. Battery status
13. Load level (5 steps)
14. Buzzer off
15. Load present
16. Battery fault / Replace the battery
17. General alarm
18. Overload
19. Input value
20. Normal mode / Battery mode (flashing)