NETYS *RT*

Total protection on rack or tower
from 5000 to 11000 VA

NETYS_307.EPS

NETYS_329.EPS
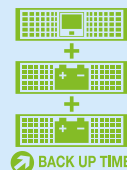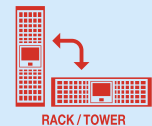
Simple to install

- No configuration necessary on first startup.
- Space and time saving 'tower-to-rack' conversion mode.
- Compact footprint (tower mode).
- High density rack enclosure saving valuable cabinet rack space.

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.
- Wide tolerance of the input voltage reduces switchovers to battery mode, prolonging battery life.
- Possibility of 1+1 parallel and redundant configuration to maximise the availability of critical utilities (up to 22 kVA).
- Hot-swap plug-in manual bypass.

Certified performance

- Performance tested and verified by independent laboratory.
- Full performance up to 40 °C without derating.

Easy to use

- Clear and uncluttered multilanguage LCD display.
- Wide range of communication protocols for integration into LAN networks or Building Management Systems.
- IoT ready device for access to connected services.
- Load segmentation enables orderly shutdown of non-critical systems to extend battery backup power time available for critical systems.

Extended and flexible back-up time

- Hot-swap modular battery extension (EBM) to meet all back-up time requirements, even after installation.
- Battery ageing detection function.
- Fast recharge - even for very long back-up time.
- Li-Ion battery technology-ready.

Technical data

	NETYS RT		
Sn	5000 VA	7000 VA	11000 VA
Pn	5000 W	6000 W	10000 W
Architecture	online double conversion VFI with input PFC and automatic bypass		
Parallel redundant function	1+1	1+1	1+1
INPUT			
Voltage	230 V (1ph) 100÷280 V; (175÷280 V @100% load)		
Frequency	40/70 Hz (50/60 Hz +/-10% Auto-Selectable)		
Power factor / THDi	>0.99 / <3%		
Input connections	terminals		
OUTPUT			
Voltage	230 V (1ph) selectable 200 / 208 / 220 / 240 V - 50 or 60 Hz ± 2% (± 0.05 Hz in battery mode)		
Power factor	1 @ 5 kVA	1 @ 6 kVA	1 @ 10 kVA
Efficiency	up to 95,5% online mode		
Overload capability	up to 105% continuously; 125% x 2 min; 150% x 30 sec		
Output connections	terminals		
BATTERY			
Standard autonomy[1]	13	8	9
Voltage	192 VDC	192 VDC	240 VDC
Recharge time	< 6 hr to recover 90% capacity		
COMMUNICATION			
Mimic panel	LCD with menu available in 10 languages		
RS232 MODBUS protocol	●	●	●
USB port	●	●	●
WEB/SNMP (Ethernet RJ45 port)	option	option	option
COMM slot	●	●	●
Dry contacts	●	●	●
EPO input	●	●	●
Parallel port	●	●	●
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)		
BIS certification	R-41189065	R-41189065	-
ENVIRONMENT			
Operating ambient temperature	from 0 °C to +40 °C (up to 45 °C [2], from 15 °C to 25 °C for best battery life)		
Storage temperature range	from -15 °C to +55 °C		
Relative Humidity	5-95% non-condensing		
Noise level (ISO 3746)	<55 dBA		
UPS CABINET			
UPS size std (W x D x H)	178x565x440 mm	178x565x440 mm	220x650x440 mm
UPS size RACK	2U+2U	2U+2U	2U+3U
UPS weight std	11 + 39 kg	12 + 39 kg	17 + 67 kg
IP rating	IP20		
EXTERNAL BATTERY MODULE (EBM)			
EBM size (W x D x H)	89x565x440 mm	89x565x440 mm	131x650x440 mm
EBM RACK	2U	2U	3U
EBM weight	39 kg	39 kg	67 kg

(1) @75% of rated load PF 0.7. (2) Conditions apply.

System features

- Rail kit.
- Embedded dry-contact interface.
- Input mains switch breaker.
- Connection for battery extension modules.
- Port for parallel operation.
- Power off the UPS remotely.
- Internal temperature sensor.

System options

- UPS models with tropicalised (Conformal Coating) boards.
- Hot-swap battery extension modules.
- Hot-swap manual bypass.
- 1+1 parallel module (5-11 kVA).

Standard communication features

- 1 slot for communication options.
- USB port for UPS management.
- MODBUS RTU (RS232).
- RS485 for Li-ion battery BMS.
- LOCAL VIEW software for local UPS monitoring and shutdown for Windows, Linux and MAC Osx.

Communication options

- Dry-contact card.
- NET VISION: professional WEB/SNMP, ethernet interface for UPS monitoring and remote automatic shutdown (MODBUS TCP).
- RT-VISION: WEB/SNMP interface for UPS monitoring and management.
- Environmental Monitoring Device (EMD).
- REMOTE VIEW PRO supervision software.

NETYS RT

Single-phase UPS
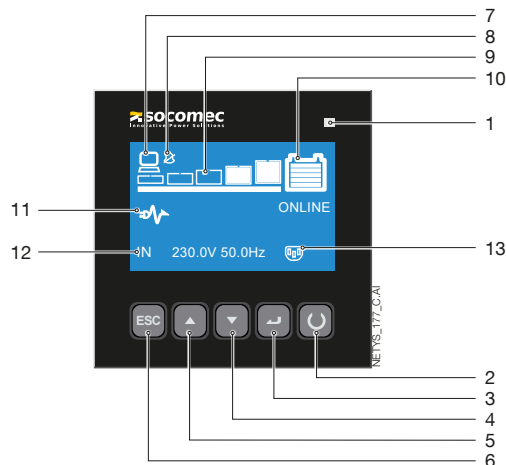
from 5000 to 11000 VA

Connections

5000 VA - 7000 VA + battery

11000 VA + battery
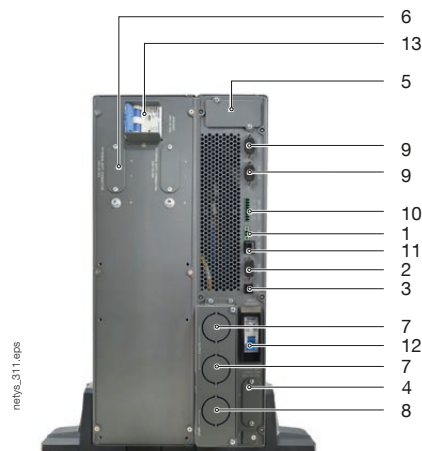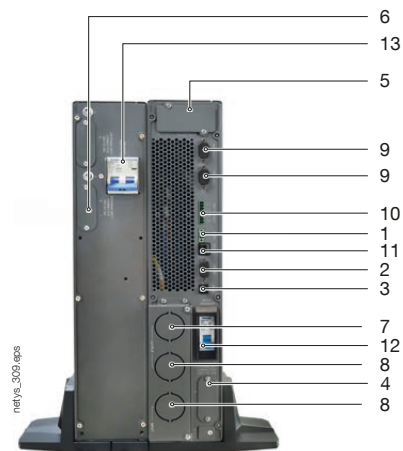
1. Input to power off the UPS remotely
2. RS232 interface (MODBUS protocol)
3. USB port
4. Connector for external battery extension
5. Slot for optional communication boards
6. Battery extension connector
7. Output terminals
8. Input terminals
9. Parallel port connector
10. Dry contact interface
11. RS485 for Li-ion battery BMS
12. Input breaker
13. External battery breaker

Control panel

ONLINE

3N   230.0V 50.0Hz

1. LED Indicator
2. ON/ OFF Button
3. Enter Button
4. Scrolling Down Button
5. Scrolling Up Button
6. Back/ Mute Button
7. Load present
8. Buzzer off
9. Load level (5 steps)
10. Battery status
11. Normal mode / Battery mode (flashing)
12. Input and output values
13. Programmable outlets

socomec
Innovative Power Solutions

NETYS RT Hot-Swap

NETYS RT hot-swap models: 7000 VA (4U rack) and 11000 VA (5U rack).

The plug-in manual bypass, available for NETYS RT hot-swap models, allows the easy replacement of the UPS without powering down critical systems during maintenance operations.

Power Distribution Unit with 10 A and 16 A IEC multiple sockets. Load segment control function to prioritise the supply of the most critical loads.

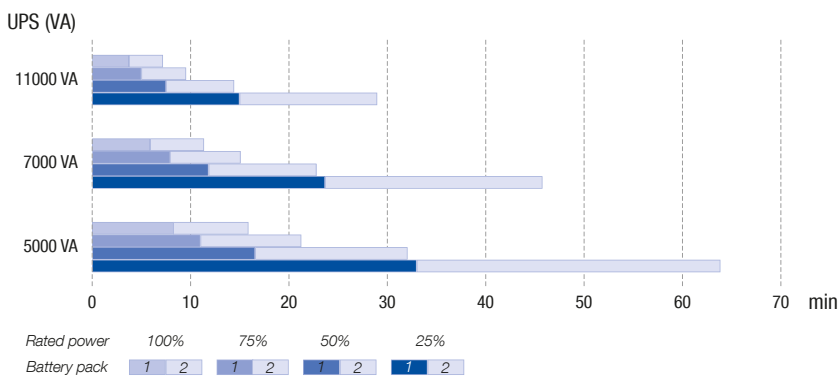Front access hot-swap battery pack for a safe and fast replacement.

NETYS RT Hot-Swap		
Model	NRT3-7000 MBP	NRT3-11000 MBP
Sn	7000 VA	11000 VA
Pn	6000 W	10000 W
Plug-in manual bypass	•	•
Hot-swap battery packs	•	•
UPS size (W x D x H)	178x665x440 mm	220x750x440 mm
UPS size RACK	4U	5U
UPS weight	54 kg	85 kg

NETYS RT - Li-Ion battery UPS

The Li-Ion Battery solution, available for NETYS RT 5000-11000 VA, provides higher back-up power density and much longer battery life than traditional lead-acid batteries. The Li-Ion Battery solution is equipped with an embedded interactive BMS (Battery Monitoring System) that provides accurate and individual cell monitoring and coordinates the recharging profile with the UPS to maximise the back-up power availability.