

NETYS RT-M

Solution for marine applications

from 1000 to 3000 VA



Function

The marine industry calls for reliable equipment which is able to supply applications operating in harsh environments. In this context, power outages can cause extremely serious problems for critical equipment, impacting navigation systems, communications and engine controls, ultimately resulting in increased costs. In line with the company's commitment to the development of innovative solutions to ensure availability, improve energy efficiency and reduce costs, SOCOMEC has introduced **NETYS RT-M** - high-performance UPS DNV standard certified.

Advantages

Best-in-class design

- True 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 input voltage tolerance reduces switchovers to battery mode, prolonging battery life.
- Performance tested and verified by third party independent laboratory.
- Robust coated versions for highly demanding applications.
- Wide ambient operating temperature up to 45 °C.
- Temperature class A according to DNV standard.

Ease of use

- Multi-language LCD display.
- Large LED status bar.
- Load segmentation function to prioritise loads and manage critical situations.
- Wide range of communication protocols for integration into LAN networks or Building Management Systems.

Simple installation within any operating environment

- Quick and simple installation: no configuration necessary on first start up, avoiding risk of human error.
- Full set of accessories for easy and safe installation.
- Easy switch from rack to tower mode will suit most environments - even with limited space and specific needs.

Strong points

- Best-in-class design
- Easy to use
- Simple installation within any operating environment

Compliance with standards

- IEC 62040-1
- IEC 62040-2
- IEC 62040-3 (*efficiency tested*)
- AS 62040.1
- AS 62040.2
- RCM (E2376)

Certifications and attestations



Technical data

NETYS RT-M				
Model	NRT4-U010B-C	NRT4-U015B-C	NRT4-U020B-C	NRT4-U030B-C
Sn	1000 VA	1500 VA	2000 VA	3000 VA
Pn	1000 W	1500 W	2000 W	3000 W
Architecture	Online double conversion VFI with input PFC and automatic bypass			
Input/output	1/1			
INPUT				
Voltage	230 VAC 1/1 110 VAC ÷ 300 VAC; (160 VAC ÷ 300 VAC @100% load)			
Rated frequency	40/70 Hz (50/60 Hz +/-10% auto-selectable)			
Power factor	>0.99			
Surge protection	296J			
Input socket	10 A IEC 320-C14		16 A IEC 320-C20	
OUTPUT				
Voltage	230 VAC (1ph) selectable 200/208/220/230/240 VAC ±1% (derating 10% @208 VAC/20% @200 VAC)			
Efficiency	Up to 94.1% in online mode			
Overload capability	Up to 105% continuously; 125% x 5 min.; 150% x 30 sec; > 150% 500 ms			
Output connections	1 main group (4x IEC C13) 1 programmable group (4x IEC C13)			1 main group (1x IEC C19 + 4x IEC C13)1 programmable group (4x IEC C13)
BATTERY				
Standard autonomy ⁽¹⁾	15	9	16	10
Voltage	36 VDC		72 VDC	
Type	Sealed lead-acid maintenance free - expected life 3-5 years			
COMMUNICATION				
Mimic panel	LCD with menu available in 11 languages			
RS232 MODBUS protocol	•	•	•	•
USB port	•	•	•	•
WEB/SNMP	Option	Option	Option	Option
COMM slot	•	•	•	•
Dry contact card	•	•	•	•
EPO input	•	•	•	•
ENVIRONMENT				
Ambient operating temperature	From 0 °C to +45 °C ⁽²⁾ Temperature class A according to DNV			
Relative humidity	From 0 to 95% (non-condensing) Temperature class B according to DNV			
Noise level (ISO 3746)	<45 dB		<50 dB	
UPS CABINET				
UPS size (W x D x H)	438 x 445 x 85.5 mm		438 x 600 x 85.5 mm	
UPS rack	2U	2U	2U	2U
UPS weight (kg)	16.1	15.8	25.7	27.7
IP rating	IP20			
EXTERNAL BATTERY MODULE (EBM)				
EBM size (W x D x H)	438 x 445 x 85.5 mm		438 x 600 x 85.5 mm	
EBM rack	2U	2U	2U	2U
EBM weight (kg)	22.3	22.3	39.8	39.8
STANDARDS				
Safety	IEC / EN 62040-1, AS 62040.1			
EMC	IEC/EN 62040-2, AS 62040.2			
Performance	IEC/EN 62040-3 (efficiency tested by an external independent body)			
Maritime certification	Applicable tests according to DNV-CP-0338 and DNV-CG-0339 (2025-07)			
Product declaration	CE, RCM, UKCA, CMIM			

General characteristics

- Rack/tower convertible.
- Embedded dry contact interface.
- Input/output cables.
- Rail kit and rack ears.
- USB cable.
- Tower stands.
- Cable lockers.
- Internal temperature sensor.
- Power off the UPS remotely.
- Cold start.
- Auto and manual battery test.
- Built-in backfeed protection.
- Connection for battery extension modules.

Electrical options

- Battery extension modules.
- External manual bypass.

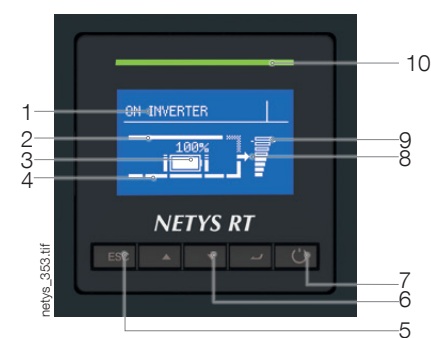
Standard communication features

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

Communication options

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

Control panel



1. UPS status
2. Bypass input
3. Battery status
4. Main input
5. Exit button
6. Navigator button
7. On/off button
8. Output
9. Load status
10. LED bar

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