zenitel

DATASHEET



1016713

UPS-RTPRO-3K

Online UPS, 3kVA, 3000W/2.7min, 230V, w/rails

- Online double-conversion UPS with unity power factor (kVA = kW)
- Up to 94.3% efficiency (AC-AC) and 99% in ECO mode for lower energy costs
- Extended battery lifespan with wide 120–280V input range and smart 3-stage charging
- Programmable outlet groups optimize battery runtime for critical equipment
- Convertible rack and tower configuration with rotatable LCD screen
- Scalable runtime with optional external battery packs
- Remote shutdown/restart (REPO/ROO) for enhanced safety
- Easy monitoring and control via RS-232, USB, or mini-slot connectivity

Description

The UPS-RTPRO-3K is a high-performance online double-conversion UPS designed to deliver continuous, high-quality power protection for critical onboard systems. Its advanced topology ensures a stable and clean output, completely independent of fluctuations in vessel or platform power supply.

Engineered for demanding maritime and offshore environments, it is ideal for applications such as PAGA controllers, intercom systems, IP telephony, navigation equipment, monitoring systems, and critical automation. With industry-leading AC-AC efficiency, unity power factor, and a compact 2U design, it provides maximum power availability while optimizing energy usage.

The UPS offers superior flexibility through integrated battery management, support for extended battery modules, and versatile communication ports, enabling reliable runtime and safe shutdown capabilities. Built to withstand challenging marine and energy conditions, it ensures a resilient power foundation for uninterrupted operation and long-term system reliability.

Technical Dimensions

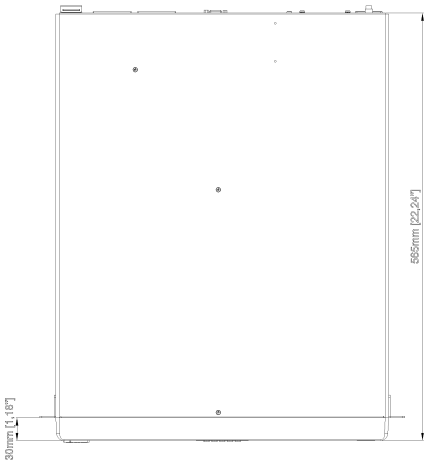
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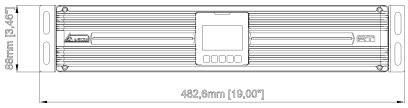
TOP VIEW



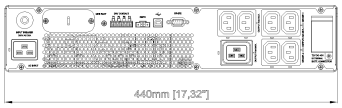
SIDE VIEW



FRONT VIEW



REAR VIEW



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Specifications

GENERAL	
Sn	3000 VA
Pn	3000 W
Architecture	Online double-conversion
Input Nominal Voltage	200/208/220/230/240 VAC, 1P2W+PE
Input Voltage Range	175-280 VAC (100% load); 120-175 VAC (with derating to 70-100% load)
Input Frequency	40-70 Hz
Input Power Factor	0.99 (100% load)
Input Connection	IEC C20
Output Nominal Voltage	200/208/220/230/240 VAC, 1P2W+PE
Output Voltage Regulation	±3% (linear load)
Output Frequency	50/60 ± 0.05 Hz
Total Harmonic Distortion (THDv)	≤ 2% (linear load)
Output Power Factor	1
Output connection	IEC C13 x2, IEC C19 x1, Programmable IEC C13 x2 x2 groups
Efficiency	Up to 94.3% Online Mode / Up to 99% ECO Mode
Overload Capability	< 105% continuous; 105-125%: 1 min ± 5 secs; 126-150%: 15 ± 3 secs; 151-155%: 0.1 secs
Battery Type	VRLA
Battery Nominal Voltage	72 VDC
Battery Quantity	6 pcs
Dimensions W x D x H	440 x 565 x 88 mm
Weight	28 kg
IP Rating	IP20

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