zenitel

DATASHEET



1016714

UPS-RT-1K

Online UPS, 1kVA, 900W/4min, 120V, w/rails

- True online double-conversion UPS with zero transfer time ensures continuous 24/7 protection
- Up to 91.5% AC-AC efficiency and 98.5% in ECO mode for reduced energy costs
- Output power factor up to 0.9 delivers more real power to critical loads
- Extended battery lifespan with intelligent battery management and 3-stage charging
- Wide input voltage range enhances battery protection and reliability
- Hot-swappable batteries enable uninterrupted operation during maintenance
- Scalable runtime with optional external battery cabinets (EBC)
- Compact 2U rack/tower convertible design for flexible deployment
- User-friendly multilingual LCD display for easy monitoring and control
- Advanced connectivity options including REPO/ROO and dry contacts for remote management

Description

The UPS-RT-1K 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

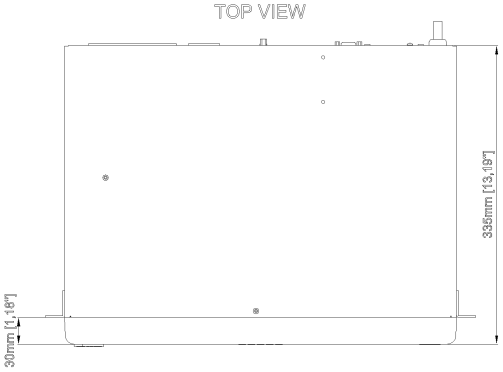
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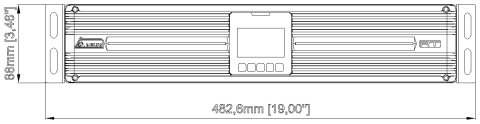
TOP VIEW



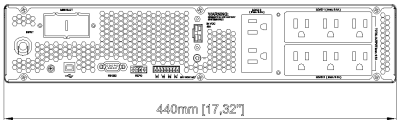
SIDE VIEW



FRONT VIEW



REAR VIEW



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Specifications

GENERAL	
Sn	1000 VA
Pn	900 W
Architecture	Online double-conversion
Input Voltage Range	110/115/120 VAC: 100-150 VAC (full load); 55-100 VAC (50-100% load) 100 VAC: 90-150 VAC (full load); 55-90 VAC (50-100% load)
Input Frequency	40-70 Hz
Input Power Factor	>0.99 (100% load)
Input Current Harmonic Distortion	<5%
Input Connection	NEMA 5-15P, power cord length 10ft
Output Voltage	100/110/115/120 VAC
Output Voltage Regulation	± 1%
Output Frequency	50/60 ± 0.05 Hz
Output Voltage Harmonic Distortion	<2% (linear load); ≤4% (non-linear load)
Output Power Factor	0.9
Output Overload Capability	<105%: Continuous; 105~125%: 2 min.; 125~150%: 30 sec.; > 150%: 500 ms
Output connection	NEMA 5-15R x 8
Efficiency	Up to 91.5% Online Mode / Up to 98% ECO Mode
Battery Type	VRLA
Battery Nominal Voltage	24 VDC
Dimensions W x D x H	440 x 335 x 88 mm
Weight	12.4 kg
IP Rating	IP20

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