

Keor SPE R/T 1000 2U

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1. GENERAL FEATURES

Legrand Keor SPE R/T 1000 model is an uninterruptible power source with interactive line technology and sinusoidal output. It delivers a rated power of 1000VA – 800W, is managed by a microprocessor, is equipped with integrated self-diagnostics and works on cold-start.

Keor SPE RT is a convertible UPS that can be used in both tower and rack configurations.

Keor SPE R/T 1000 is internally equipped with valve-regulator, hermetically sealed, lead accumulator batteries to guarantee a minimum uptime of 8 minutes at 80% of the load. The batteries can be easily replaced thanks to a specific door located on the front of the UPS.

The presence of an electronic stabilizer (AVR) inside the UPS provides the connected loads with effective protection against any interference in the electrical mains.

This UPS has 2 x (4 x IEC 320-C13) output sockets and 1-group can be programmable.

Keor SPE R/T 1000 can be connected to a PC through the SNMP, USB and Serial RS232 port allowing you to monitor its operation, thanks to the free software, and carry out an emergency shutdown of Windows and Linux operating systems.

Through the 5-button control panel, the LCD screen and 3-status LED Bar:

- GREEN: Everything is OK on UPS. Load is protected.
- YELLOW: The load is supplied by UPS, but an alarm is active, control is required.
- RED: The load is not supplied by UPS. Emergency exists.

LCD display:

- Operation Mode
- Measurements
 - a) Input & Output Voltage-Frequency
 - b) Active & Apparent Power
 - c) Load Percentage
 - d) Battery Voltage
 - e) Battery Percentage
 - f) Back-up time
 - g) Environment Temperature
- Alarms & Errors

Keor SPE R/T 1000 Static Uninterruptible Power Supply bears the CE marking, pursuant to Directives 2014/35 e 2014/30, and is designed and built-in compliance with the following standards:

- EN 62040-1 “General and safety requirements for UPSs used in areas that are accessible to the operator”
- EN 62040-2 “Electromagnetic Compatibility requirements (EMC)”
- EN 62040-3 “Performance and test method requirements”.

*This value is based on data collected from a technological channel operating on an industrial basis. It does not pre-validate the effective use of this channel for end-of-life of this product.

2. TECHNICAL FEATURES

| General Features | |
|--------------------|---------------------|
| Nominal power (VA) | 1000 |
| Active power (W) | 800 |
| Technology | Line-interactive VI |
| Waveform | Sinusoidal |

| Input | |
|---------------------|---|
| Input voltage | 230V |
| Input frequency | 40 - 70 Hz (50/60Hz auto-sensing) |
| Input Voltage Range | Nominal: 230 / Range: 160 - 288 @ full load |
| Input Connection | 10A IEC 320-C14 |

| Output | |
|----------------------------|---|
| Output voltage | 230±1% adjustable to 200/208/220/230/240 (Battery mode:230V+6%, -10%, 200/208V: 90% derating) |
| Output frequency (nominal) | 50 or 60Hz +/- 0,5 % |
| THD Output voltage | < 3% with linear load |
| Outlets | 2 x (4 x IEC 320-C13) (1-group programmable) |

| Batteries | |
|-----------------------------|---|
| Number of batteries | 3pcs VRLA (Front-access, hot swappable) |
| Battery series Type/Voltage | 12V, 7Ah |
| Charging Time (0-90%) | 4 hours |

| Environmental Conditions | |
|--|-----------------------|
| Operating temperature (°C) | 0 ÷ 40°C |
| Relative humidity (%) | 0÷95 % non-condensing |
| Noise level at 1 m (dBA) | < 40 |
| Estimated content of circular economy derived materials | ≈41% |
| Recyclability rate calculated using the method described in technical report IEC/TR 62635* | ≈78% |

| Certifications | |
|----------------|---------------------------------|
| Standards | EN62040-1, EN62040-2, EN62040-3 |

| Mechanical Features | |
|-----------------------------|---------------------|
| Measurements W x H x L (mm) | 440 x 86,5 x 440 2U |
| Net Weight (kg) | 16,9 |

| Communication and Management | |
|------------------------------|---|
| Display and Signals | Four buttons and four LEDs to monitor the status of the UPS in real time |
| Remote Management | USB (HID), RS232 and Connector for network interface (SNMP): all works simultaneously |
| EPO | EPO (adjustable as NC/NO) |
| Dry Contact (NO) | 2 pcs: Relay 1: Input failure Relay 2: Battery low |
| Protections | Overloads, short-circuit, back-feed, overtemperature |