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Keor SPE Tower 750VA

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1. GENERAL FEATURES

The Legrand UPS Keor SPE Tower 750 model is an uninterruptible power source with Line Interactive technology and sinusoidal output. It delivers a rated power of 750VA – 600W, is managed by a microprocessor, is equipped with integrated self-diagnostics and works on cold-start.
Keor SPE Tower 750 is internally equipped with valve-regulator, hermetically sealed, lead accumulator batteries to guarantee a minimum uptime of 4 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 (3 x IEC 320-C13) output sockets and 1-group can be programmable.

Keor SPE Tower 750 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

The Keor SPE Tower 750 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".

*The calculation of materials from the circular economy was done according to the new standard CEI/TR 62635
**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)	750
Active power (W)	600
Technology	Line-interactive VI
Waveform	Sinusoidal

Input	
Input voltage	input@AC mode; 1.18*Vin@AVR boost; 0.85*Vin@AVR buck; 230Vac±10%@Battery mode
Input frequency	47-63Hz (50/60Hz auto-sensing)
Input Voltage Range	Nominal: 230 / Range: 175 - 288 @ full load
Input Connection	10A IEC 320-C14

Output	
Output voltage	230, adjustable to 200/208(output capacity derating to 90%)/220/230/240
Output frequency (nominal)	50 or 60Hz +/- 0,5 %
THD Output voltage	< 3% with linear load
Outlets	2 x (3 x IEC 320-C13) (1-group programmable)

Batteries	
Number of batteries	2pcs VRLA (Front-access, hot swappable)
Battery series Type/Voltage	12V, 7Ah
Charging Time (0-90%)	6-8 hours

Communication and Management	
Display and Signals	Four buttons and four LEDs to monitor the status of the UPS in real time
Remote Management	SNMP (independent) and RS232/USB (use same channel)
EPO	EPO (adjustable as NC/NO and as Remote ON/OFF via LCD
Dry Contact (NO)	2 pcs: Relay 1: Input failure Relay 2: Battery low
Protections	Overloads, short-circuit, back-feed,overtemperature

Environmental Conditions	
Operating temperature (°C)	0 ÷ 40°C
Relative humidity (%)	0÷95 % non-condensing
Noise level at 1 m (dBA)	< 45
Estimated content of circular economy derived materials*	
- Product alone	10%
- Packaging only	47%
- Total recyclability value of the product	15%
Recyclability rate calculated using the method described in technical report IEC/TR 62635**	**77%**

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

Mechanical Features	
Measurements H x W x L (mm)	238x170x325
Net Weight (kg)	14

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Keor SPE Tower 1000VA

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1. GENERAL FEATURES

The Legrand UPS Keor SPE Tower 1000 model is an uninterruptible power source with Line Interactive 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 Tower 1000 is internally equipped with valve-regulator, hermetically sealed, lead accumulator batteries to guarantee a minimum uptime of 4 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 Tower 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

The Keor SPE Tower 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”.

*The calculation of materials from the circular economy was done according to the new standard CEI/TR 62635
**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	input@AC mode; 1.18*Vin@AVR boost; 0.85*Vin@AVR buck; 230Vac±10%@Battery mode
Input frequency	47-63Hz (50/60Hz auto-sensing)
Input Voltage Range	Nominal: 230 / Range: 175 - 288 @ full load
Input Connection	10A IEC 320-C14

Output	
Output voltage	230, adjustable to 200/208(output capacity derating to 90%)/220/230/240
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	2pcs VRLA (Front-access, hot swappable)
Battery series Type/Voltage	12V, 9Ah
Charging Time (0-90%)	6-8 hours

Communication and Management	
Display and Signals	Four buttons and four LEDs to monitor the status of the UPS in real time
Remote Management	SNMP (independent) and RS232/USB (use same channel)
EPO	EPO (adjustable as NC/NO and as Remote ON/OFF via LCD
Dry Contact (NO)	2 pcs: Relay 1: Input failure Relay 2: Battery low
Protections	Overloads, short-circuit, back-feed,overtemperature

Environmental Conditions	
Operating temperature (°C)	0 ÷ 40°C
Relative humidity (%)	0÷95 % non-condensing
Noise level at 1 m (dBA)	< 45
Estimated content of circular economy derived materials*	
- Product alone	10%
- Packaging only	47%
- Total recyclability value of the product	15%
Recyclability rate calculated using the method described in technical report IEC/TR 62635**	**77%**

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

Mechanical Features	
Measurements H x W x L (mm)	238x170x325
Net Weight (kg)	14,5

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Keor SPE Tower 1500VA

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1. GENERAL FEATURES

The Legrand UPS Keor SPE Tower 1500 model is an uninterruptible power source with Line Interactive technology and sinusoidal output. It delivers a rated power of 1500VA – 1200W, is managed by a microprocessor, is equipped with integrated self-diagnostics and works on cold-start.
Keor SPE Tower 1500 is internally equipped with valve-regulator, hermetically sealed, lead accumulator batteries to guarantee a minimum uptime of 4 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 Tower 1500 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

The Keor SPE Tower 1500 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”.

*The calculation of materials from the circular economy was done according to the new standard CEI/TR 62635
**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)	1500
Active power (W)	1200
Technology	Line-interactive VI
Waveform	Sinusoidal

Input	
Input voltage	input@AC mode; 1.18*Vin@AVR boost; 0.85*Vin@AVR buck; 230Vac±10%@Battery mode
Input frequency	47-63Hz (50/60Hz auto-sensing)
Input Voltage Range	Nominal: 230 / Range: 175 - 288 @ full load
Input Connection	10A IEC 320-C14

Output	
Output voltage	230, adjustable to 200/208(output capacity derating to 90%)/220/230/240
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, 9Ah
Charging Time (0-90%)	6-8 hours

Communication and Management	
Display and Signals	Four buttons and four LEDs to monitor the status of the UPS in real time
Remote Management	SNMP (independent) and RS232/USB (use same channel)
EPO	EPO (adjustable as NC/NO and as Remote ON/OFF via LCD
Dry Contact (NO)	2 pcs: Relay 1: Input failure Relay 2: Battery low
Protections	Overloads, short-circuit, back-feed,overtemperature

Environmental Conditions	
Operating temperature (°C)	0 ÷ 40°C
Relative humidity (%)	0÷95 % non-condensing
Noise level at 1 m (dBA)	< 45
Estimated content of circular economy derived materials*	
- Product alone	10%
- Packaging only	47%
- Total recyclability value of the product	15%
Recyclability rate calculated using the method described in technical report IEC/TR 62635**	**77%**

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

Mechanical Features	
Measurements H x W x L (mm)	238x170x438
Net Weight (kg)	18,9

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Keor SPE Tower 2000VA

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1. GENERAL FEATURES

The Legrand UPS Keor SPE Tower 2000 model is an uninterruptible power source with Line Interactive technology and sinusoidal output. It delivers a rated power of 2000VA – 1600W, is managed by a microprocessor, is equipped with integrated self-diagnostics and works on cold-start.
Keor SPE Tower 2000 is internally equipped with valve-regulator, hermetically sealed, lead accumulator batteries to guarantee a minimum uptime of 4 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 Tower 2000 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.

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

The Keor SPE Tower 2000 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”.

*The calculation of materials from the circular economy was done according to the new standard CEI/TR 62635
**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)	2000
Active power (W)	1600
Technology	Line-interactive VI
Waveform	Sinusoidal

Input	
Input voltage	input@AC mode; 1.18*Vin@AVR boost; 0.85*Vin@AVR buck; 230Vac±10%@Battery mode
Input frequency	47-63Hz (50/60Hz auto-sensing)
Input Voltage Range	Nominal: 230 / Range: 175 - 288 @ full load
Input Connection	16A IEC 320-C20

Output	
Output voltage	230, adjustable to 200/208(output capacity derating to 90%)/220/230/240
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	4pcs VRLA (Front-access, hot swappable)
Battery series Type/Voltage	12V, 9Ah
Charging Time (0-90%)	6-8 hours

Communication and Management	
Display and Signals	Four buttons and four LEDs to monitor the status of the UPS in real time
Remote Management	SNMP (independent) and RS232/USB (use same channel)
EPO	EPO (adjustable as NC/NO and as Remote ON/OFF via LCD
Dry Contact (NO)	2 pcs: Relay 1: Input failure Relay 2: Battery low
Protections	Overloads, short-circuit, back-feed,overtemperature

Environmental Conditions	
Operating temperature (°C)	0 ÷ 40°C
Relative humidity (%)	0÷95 % non-condensing
Noise level at 1 m (dBA)	< 45
Estimated content of circular economy derived materials*	
- Product alone	10%
- Packaging only	47%
- Total recyclability value of the product	15%
Recyclability rate calculated using the method described in technical report IEC/TR 62635**	**77%**

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

Mechanical Features	
Measurements H x W x L (mm)	238x170x438
Net Weight (kg)	23

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Keor SPE Tower 3000VA

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1. GENERAL FEATURES

The Legrand UPS Keor SPE Tower 3000 model is an uninterruptible power source with Line Interactive technology and sinusoidal output. It delivers a rated power of 3000VA – 2400W, is managed by a microprocessor, is equipped with integrated self-diagnostics and works on cold-start.
Keor SPE Tower 3000 is internally equipped with valve-regulator, hermetically sealed, lead accumulator batteries to guarantee a minimum uptime of 4 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) + (1 x IEC 320-C19) output sockets and 1-group can be programmable.

Keor SPE Tower 3000 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.

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

The Keor SPE Tower 3000 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”.

*The calculation of materials from the circular economy was done according to the new standard CEI/TR 62635
**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)	3000
Active power (W)	2400
Technology	Line-interactive VI
Waveform	Sinusoidal

Input	
Input voltage	input@AC mode; 1.18*Vin@AVR boost; 0.85*Vin@AVR buck; 230Vac±10%@Battery mode
Input frequency	47-63Hz (50/60Hz auto-sensing)
Input Voltage Range	Nominal: 230 / Range: 175 - 288 @ full load
Input Connection	16A IEC 320-C20

Output	
Output voltage	230, adjustable to 200/208(output capacity derating to 90%)/220/230/240
Output frequency (nominal)	50 or 60Hz +/- 0,5 %
THD Output voltage	< 3% with linear load
Outlets	2 x (4 x IEC 320-C13) + (1 x IEC 320-C19) (1-group programmable)

Batteries	
Number of batteries	4pcs VRLA (Front-access, hot swappable)
Battery series Type/Voltage	12V, 9Ah
Charging Time (0-90%)	6-8 hours

Communication and Management	
Display and Signals	Four buttons and four LEDs to monitor the status of the UPS in real time
Remote Management	SNMP (independent) and RS232/USB (use same channel)
EPO	EPO (adjustable as NC/NO and as Remote ON/OFF via LCD
Dry Contact (NO)	2 pcs: Relay 1: Input failure Relay 2: Battery low
Protections	Overloads, short-circuit, back-feed,overtemperature

Environmental Conditions	
Operating temperature (°C)	0 ÷ 40°C
Relative humidity (%)	0÷95 % non-condensing
Noise level at 1 m (dBA)	< 45
Estimated content of circular economy derived materials*	
- Product alone	10%
- Packaging only	47%
- Total recyclability value of the product	15%
Recyclability rate calculated using the method described in technical report IEC/TR 62635**	77%

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

Mechanical Features	
Measurements H x W x L (mm)	238x170x438
Net Weight (kg)	26,5