

### DATA SHEET

### UPS SINLINE RT

1000/1200/1600/2000/3000 VA

### WARRANTY

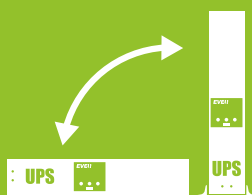
# 3

YEARS

### LCD GRAPHIC DISPLAY



### HOUSING RACK / TOWER



### BUILT-IN NETWORK INTERFACE (SNMP, HTTP)



SINLINE RT is the newest range of technologically advanced UPS units designed mainly for **computer servers, small computer networks, workstations and other electrical, electronic and IT systems**. With the universal Rack/Tower housing the UPS orientation can be changed quickly.

AVR, a built-in system for regulating (increasing and decreasing) the mains voltage adjusts incorrect input voltage to a level that is acceptable to the receivers (without usage of batteries).

### FEATURES

- Rack/tower housing
- AVR, a system for regulating (increasing and decreasing) the mains voltage
- LCD graphic display
- Battery charging system with thermal compensation
- Back-up time prediction
- Manageable outputs
- Cold start
- The battery can be replaced by the user
- **Built-in network interface (supports SNMP, HTTP protocol)!**
- Updating of device firmware by user
- HID USB communication interface
- Powersoft, monitoring and management software

### SERVICE

- Door-to-door support
- 3-year warranty for the UPS
- 2-year warranty for batteries
- Execution in 2 working days



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## TECHNICAL DATA

PARAMETERS \ TYPE	SINLINE RT 1000	SINLINE RT 1200	SINLINE RT 1600	SINLINE RT 2000	SINLINE RT 3000
Part number	W/SRTLRT-001K00/00	W/SRTLRT-001K20/00	W/SRTLRT-001K60/00	W/SRTLRT-002K00/00	W/SRTLRT-003K00/00
Output Power (Apparent / Active) <sup>1)</sup>	1000 VA 650 W	1200 VA 850 W	1600 VA 1250 W	2000 VA 1650 W	3000 VA 2250 W
<b>GENERAL DATA AND ENVIRONMENTAL</b>					
Topology	VI (line interactive)				
Number of phases (in/out)	1 / 1				
Housing Type <sup>2)</sup>	Rack / Tower				
Operating temperature <sup>3)</sup>	0 ÷ + 40 °C				
Storage temperature	0 ÷ + 45°C				
Relative humidity during operation	20 ÷ 80 % (non-condensing)				
Relative humidity during storage	20 ÷ 95 % (non-condensing)				
Operating elevation <sup>4)</sup>	< 1000 m				
Protection level	IP20				
Environment of installation	Office / industrial rooms with low level of pollution				
Cooling	Forced, internal fans				
<b>INPUT</b>					
Rated input voltage	230 V AC				
Input voltage range and tolerance	178 ÷ 281 V AC ± 2 %				
Input voltage rated frequency	50 Hz				
Input voltage frequency range and tolerance	45 ÷ 55 Hz ± 1 Hz				
Transfer thresholds: Mains – UPS	178 ÷ 281 V AC ± 2 %				
<b>OUTPUT</b>					
Rated output voltage	230 V AC				
Output voltage range and tolerance - normal mode	195 ÷ 253 V AC ± 2 %				
Output voltage range and tolerance - battery mode	230 V AC ± 5 %				
Automatic Voltage Regulation (AVR)	± 10 %				
Shape of output voltage (battery mode / normal mode)	Sine wave / same as input				
Output voltage rated frequency	50 Hz				
Output frequency range and tolerance – mains operation mode	Synchronously				
Output frequency range and tolerance – battery mode	50 Hz ± 1Hz				
Output voltage filtering	RFI/EMI filter, varistor TVSS				
Transfer thresholds: UPS– Mains	183 ÷ 276 V AC ± 2 %				
Transfer time to battery mode	< 3 ms				
Transfer time to normal mode	0 ms				
Overload capability	> 105% - 15 s (UPS off)				
<b>BATTERIES AND TYPICAL RUNTIME</b>					
Internal Batteries	12 V / 7 Ah VRLA			12 V / 9 Ah VRLA	
Number of internal batteries	2			4	
Maximum overall internal batteries capacity	7 Ah			9 Ah	
Backup time – internal batteries (100 % / 80 % / 50 % Pmax)	3 / 4 / 7 min	3 / 4 / 6 min	3 / 4 / 8 min	3 / 4 / 6 min	3 / 4 / 7 min
Nominal voltage DC circuit	24 V DC			48 V DC	
Internal batteries maximum charging time – after discharging at 80 % Pmax *	4 h				

Note: The manufacturer reserves the right to modify the above parameters without prior notification.

\* Charging time to 90% battery capacity.

### NOTES:

- For standard operation, the load applied to the output must not exceed 80% of the value in the table. The power margin is necessary to ensure continuous work of the connected devices in the case of instantaneous surges of the load
- The rack kit available as an option.
- Constant exposure of the battery module to temperatures of +25°C reduces the battery life.
- The permitted maximum load of the power supply unit decreases with the height above the sea level above the limit specified above.

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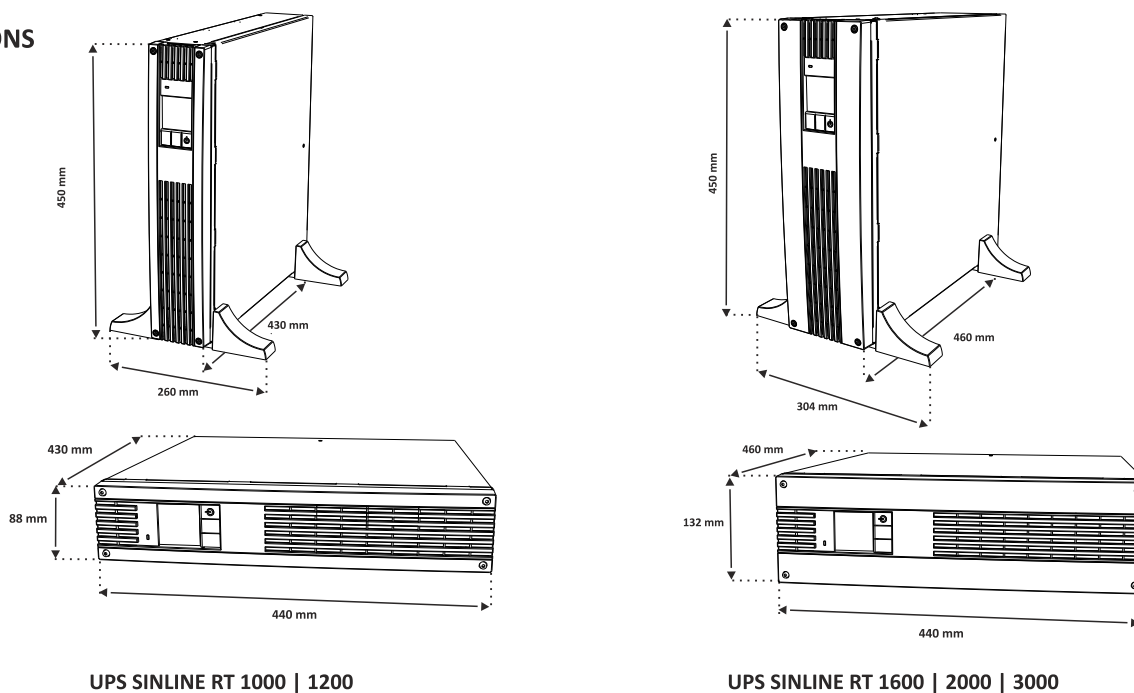


## TECHNICAL DATA

PARAMETERS \ TYPE	SINLINE RT 1000	SINLINE RT 1200	SINLINE RT 1600	SINLINE RT 2000	SINLINE RT 3000
Part number	W/SRTLRT-001K00/00	W/SRTLRT-001K20/00	W/SRTLRT-001K60/00	W/SRTLRT-002K00/00	W/SRTLRT-003K00/00
Output Power (Apparent / Active) <sup>1)</sup>	1000 VA 650 W	1200 VA 850 W	1600 VA 1250 W	2000 VA 1650 W	3000 VA 2250 W
<b>MECHANICAL SPECIFICATIONS</b>					
Dimensions - Rack (H x W x D)	88 x 440 x 430 mm		132 x 440 x 460 mm		
Dimensions - Tower (H x W x D)	440 x 88 x 430 mm (UPS) 450 x 260 x 430 mm (UPS + 2 supports for tower position)		440 x 132 x 460 mm (UPS) 450 x 304 x 460 mm (UPS + 2 supports for tower position)		
Net Weight	15 kg		22 kg	26 kg	28 kg
Gross Weight	17 kg		24,5 kg	28,5 kg	30,5 kg
Transport Dimensions (H x W x D)	197 x 547 x 545 mm		247 x 547 x 595 mm		
Position in which devices transported	Horizontal				
Output cables maximum length	< 10 m				
<b>PROTECT</b>					
Input over current protection	Short-circuit protection – Circuit breaker 10 A / 250 V AC			Short-circuit protection – Circuit breaker 16 A / 250 V AC	
Output over current protection	Surge Protection				
DC over current (internal batteries)	Electronic short-circuit and overload protection				
	Over current				
<b>ACCESSORY AND EXTRA FUNCTIONS</b>					
Power supply connection	1 x IEC 320 C14 (10 A)		1 x IEC 320 C20 (16 A)		
Output connection (number and type of sockets)	3 x IEC320 C13 (10 A) 2 x PL		6 x IEC 320 C13 (10 A) 2 x PL		
Signalling	Acoustic and optical; LCD graphic display, LED				
Communications interfaces	USB HID, SNMP/HTTP				
Software	PowerSoft Professional				
<b>CERTIFICATION</b>					
Declarations	CE				
Standards	PN-EN 62040-1:2009, PN-EN 62040-2:2008				

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## DIMENSIONS



UPS SINLINE RT 1000 | 1200

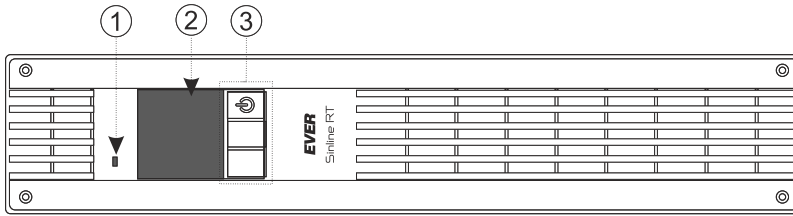
UPS SINLINE RT 1600 | 2000 | 3000

# UPS SINLINE RT

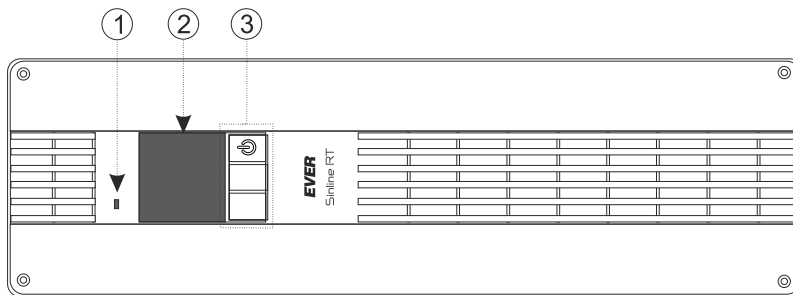
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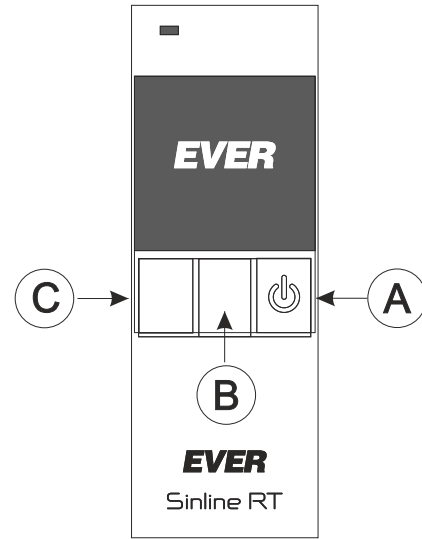
## FRONT PANEL



UPS SINLINE RT 1000 | 1200

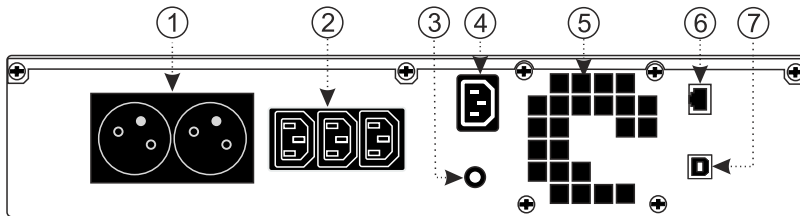


UPS SINLINE RT 1600 | 2000 | 3000

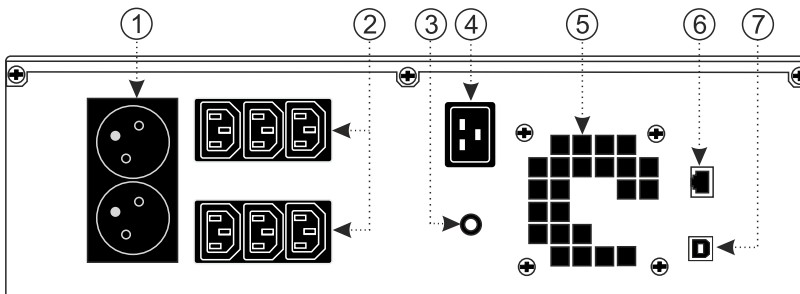


- 1) Signaling LED
- 2) LCD display
- 3) Multi-function buttons: A, B, C

## REAR PANEL



UPS SINLINE RT 1000 | 1200



UPS SINLINE RT 1600 | 2000 | 3000

- 1) Output sockets PN-E-93201 (10 A)
- 2) Output sockets IEC 320 C13 (10 A)
- 3) Automatic fuse
- 4) Mains input:  
IEC 320 C14 (10 A) | SINLINE RT 1000 – 1200  
IEC 320 C20 (16 A) | SINLINE RT 1600 – 3000
- 5) Fan
- 6) Ethernet communication port
- 7) USB communication port