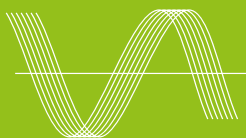


DATA SHEET

UPS SINLINE USB

800/1200/1600/2000/3000 VA

CLEAR DIGITAL
SINUS SYSTEM
(CDS)COOL BATTERY
CHARGING SYSTEM
(CBC)WARRANTY
3
YEARSFRENCH
OUTPUT OUTLETS

The next generation **SINLINE USB**-series battery back-ups enable full protection of power supply to advanced **single and multi CPU servers, PCs, computer terminals** and **small and medium networks**.

FEATURES

- USB communication interface
- AVR – automatic mains voltage regulation system
- LAN filter
- PowerSoft Professional - monitoring software ensuring complete control over computer workstations

PROTECTION

- Overload
- Short circuit
- Surge
- Incorrect connection

The SINLINE USB series is equipped with unique systems developed by EVER engineers:

- **CDS - Clear Digital Sinus** - system that enables the battery back-up to generate true sine wave output voltage in battery operation mode,
- **CBC - Cool Battery Charging** - quick and efficient charging system that cuts charging time and extends the operating life of the back-up's accumulators.

SERVICE

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



UPS SINLINE USB

800/1200/1600/2000/3000 VA



TECHNICAL DATA

PARAMETERS \ TYPE	SINLINE 800 USB	SINLINE 1200 USB	SINLINE 1600 USB	SINLINE 2000 USB	SINLINE 3000 USB
Part number	W/SL00TO-000K80/04	W/SL00TO-001K20/04	W/SL00TO-001K60/04	W/SL00TO-002K00/04	W/SL00TO-003K00/04
Output Power (Apparent / Active) ¹⁾	800 VA 520 W	1200 VA 780 W	1600 VA 1040 W	2000 VA 1300 W	3000 VA 1950 W
GENERAL DATA AND ENVIRONMENTAL					
Topology	VI (line interactive)				
Number of phases (in/out)	1 / 1				
Housing Type	Tower				
Operating temperature ²⁾	0 ÷ +40 °C				
Storage temperature	0 ÷ +40 °C				
Relative humidity during operation	20 ÷ 80 % (non-condensing)				
Relative humidity during storage	20 ÷ 95 % (non-condensing)				
Operating elevation ³⁾	< 1000 m				
Protection level	IP20				
Environment of installation	Office / industrial rooms with low level of pollution				
Cooling	Gravity				
INPUT					
Nominal input voltage	230 V AC				
Input voltage range and tolerance ⁴⁾	~ 160 ÷ 264 V (~ 145 ÷ 280 V) ± 2 %				
Input voltage rated frequency	50 Hz				
Input voltage frequency range and tolerance	45 ÷ 55 Hz ± 1 Hz				
Transfer thresholds: Mains – UPS ⁴⁾	~ 160 ÷ 264 V (~ 145 ÷ 280 V)± 2 %				
OUTPUT					
Nominal output voltage	230 V AC				
Output voltage range and tolerance - normal mode ⁴⁾	~ 184 ÷ 264 V (~ 167 ÷ 280 V) ± 2 %				
Output voltage range and tolerance - battery mode	~230 V ± 5 %				
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	LC, RFI/EMI filter, varistor TVSS				
Transfer thresholds: UPS– Mains ⁴⁾	~ 165 V / 259 V (~ 150 V / 275 V) ± 2 %				
Transfer time to battery mode	< 3 ms				
Transfer time to normal mode	0 ms				
BATTERIES AND TYPICAL RUNTIME					
Internal Batteries	12 V / 5 Ah VRLA	12 V / 7 Ah VRLA	12 V / 5 Ah VRLA	12 V / 5 Ah VRLA	12 V / 7 Ah VRLA
Number of internal batteries	2	2	3	4	4
Maximum overall internal batteries capacity	5 Ah	7 Ah	5 Ah	5 Ah	7 Ah
Backup time - internal batteries (100 % / 80 % / 50 % Pmax)	5 / 7 / 12 min	4,5 / 6 / 11min	4 / 5 / 8 min	4 / 5 / 9 min	3 / 4 / 8 min
Nominal voltage DC circuit	24 V DC	24 V DC	36 V DC	48 V DC	48 V DC
Internal batteries maximum charging time - after discharging at 80 % Pmax*	5 h	7 h	5 h	5 h	7 h

* Charging time to 90% battery capacity, following a prior discharge with a load of 80% Pmax.

Notes:

1) 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.

2) For UPS with internal batteries 5 ÷ 35 °C. Constant exposure of the battery module to temperatures of +25°C reduces the battery life.

3) The permitted maximum load of the power supply unit decreases with the height above the sea level above the limit specified above.

4) Values that can be set through PowerSoft are specified in the brackets.

UPS SINLINE USB

800/1200/1600/2000/3000 VA

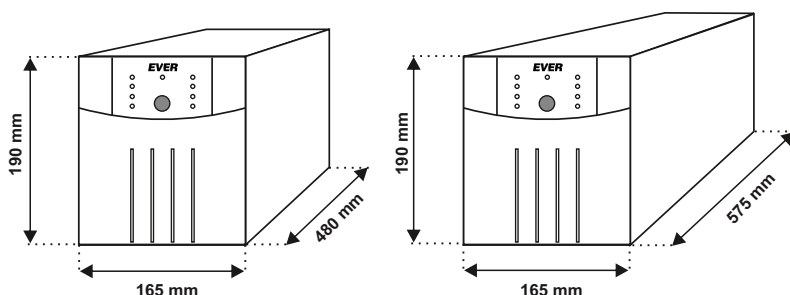


TECHNICAL DATA

PARAMETERS \ TYPE	SINLINE 800 USB	SINLINE 1200 USB	SINLINE 1600 USB	SINLINE 2000 USB	SINLINE 3000 USB
Part number	W/SL00TO-000K80/04	W/SL00TO-001K20/04	W/SL00TO-001K60/04	W/SL00TO-002K00/04	W/SL00TO-003K00/04
MECHANICAL SPECIFICATIONS					
Dimensions (H x W x D)	190 x 165 x 480 mm			190 x 165 x 575 mm	
Net Weight	14 kg	14,5 kg	17 kg	24 kg	26 kg
Gross Weight	14,5 kg	15,5 kg	17,5 kg	25 kg	27 kg
Transport Dimensions (H x W x D)	270 x 250 x 570 mm			270 x 250 x 660 mm	
Position in which devices transported				Vertical	
Output cables maximum length				< 10 m	
PROTECT					
Input over current protection	Short circuit protection - fuse 5 x 20 mm 10 A / 250 V AC			Short circuit protection – Automatic fuse 16 A / 250 V AC	
	Surge protection				
Output over current protection	Electronic – short circuit and overload protection				
ACCESSORY AND EXTRA FUNCTIONS					
Power supply connection	Power cord ended with plug with ground terminal 16A (PN-E-93201:1997) + uni-schuko				
Output connection (number and type of sockets)	4 x PN-E-93201				
Signalling	Opto-acoustic; LED				
Communications interfaces	USB 2.0				
LAN filter	LAN 1 Gbit/s				
Software	PowerSoft Professional				
CERTIFICATION					
Declarations	CE				
Standards	PN-EN 62040-1:2009, PN-EN 62040-2:2008				

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

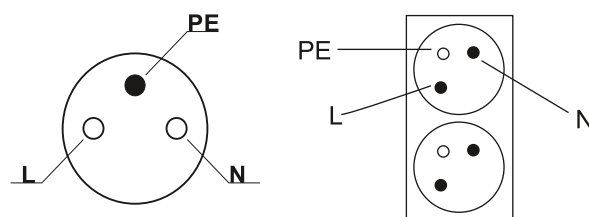
DIMENSIONS



SINLINE USB 800 / SINLINE USB 1200
SINLINE USB 1600 / SINLINE USB 2000

SINLINE USB 3000

LAYOUT OF TERMINALS IN THE POWER AND OUTLET SOCKET

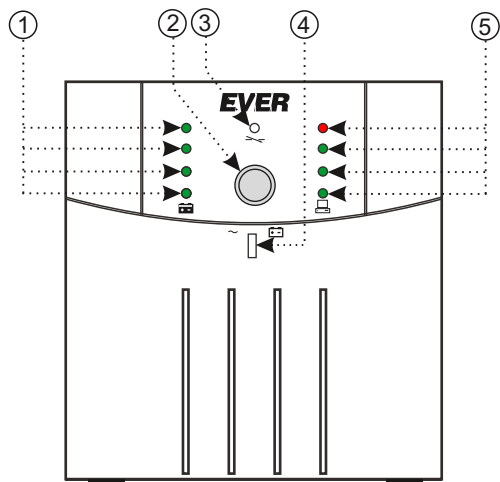


UPS SINLINE USB

800/1200/1600/2000/3000 VA

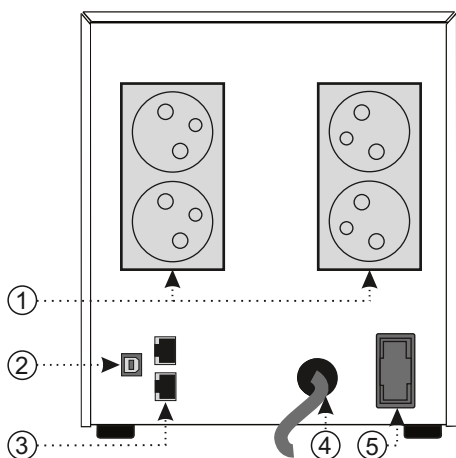


FRONT PANEL



- 1) A column of green LEDs indicating the charge level of the accumulator.
- 2) Power switch.
- 3) LED indicating whether the AVR (Automatic Voltage Regulation) system is engaged.
- 4) Two-colour LED indicating the operating mode:
 - a. mains operation mode,
 - b. battery operation mode.
- 5) A column of LEDs (three green, top one red) indicating the load of the battery back-up in percents.

REAR PANEL



- 1) Outlet sockets.
- 2) Port for communication with a PC via USB.
- 3) LAN filter sockets.
- 4) Power cord.
- 5) Cut-out (fuse in back-ups with power of 800 VA, 1200 VA and 1600 VA; circuit breaker in back-ups with power of 2000 VA and 3000 VA).



FUSE REPLACEMENT (SINLINE USB 800, 1200, 1600)

