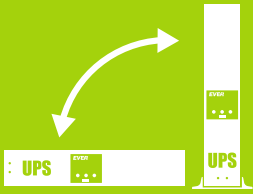


DATA SHEET

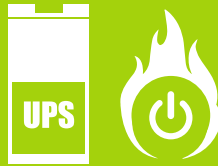
POWERLINE RT

6/10 kVA

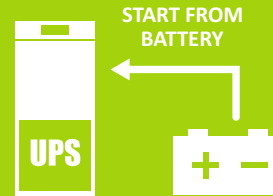
RACK / TOWER ENCLOSURE



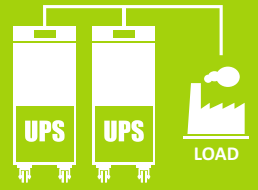
EPO (EMERGENCY POWER OFF) DISCONNECT POWER IN CASE OF FIRE



COLD START



PARALLEL MODE



A series of hi-tech, on-line (VFI) UPS units (uninterruptable power system), designed with double conversion topology, for excellent protection of the connected receivers. The UPS protects sensitive equipment and systems from common problems such as power outages, drops and interruptions in the mains, surge and noise conditions in the power supply line. EVER POWERLINE RT series UPS units are mainly used with network devices, servers, workstations and other electric, electronic and IT devices.

FEATURES

- Rack/Tower enclosure
- Parallel mode
- ECO mode enabling high efficiency
- Easier handling thanks to the safe procedure of battery replacement, without having to switch off the UPS power supply
- Emergency Power Off automatic power-off system
- The **Intelligent Battery Management** technology utilizes the advanced battery management strategy in order to extend battery life and to optimize the charging time and charging energy efficiency.
- **Start-on-battery** („cold start”) - option of starting the UPS without connection to the mains
- Additional external battery packs

COMMUNICATION

- RS232 and USB communication interface
- NMP/HTTP network management card (optional)
- Nonvoltage contacts card (optional)

PROTECTION

- Overload
- Short circuit
- Surge
- Thermal

SUPPORT

- Door-to-door support
- 2 year warranty for the UPS
- 2 year warranty for batteries
- Repair in 5 business days



POWERLINE RT

6/10 kVA



TECHNICAL DATA

PARAMETERS \ TYPE	POWERLINE RT	
	POWERLINE RT 6000	POWERLINE RT 10 000
Part number	T/PWRLRT116K00/00	T/PWRLRT-1110K0/00
Output Power (Apparent / Active) ¹⁾	6 kVA / 5,4 kW	10 kVA / 9 kW
GENERAL DATA AND ENVIRONMENTAL		
Topology	VFI (on-line, VFI-SS-111)	
Number of phases (in/out)	1 / 1	
Housing Type ²⁾	Rack / Tower	
Max efficiency (double conversion mode)	> 92 %	> 93 %
Max efficiency (ECO mode)	> 96 %	> 97 %
Operating temperature ³⁾	0 ÷ +40 °C	
Storage temperature	0 ÷ +40 °C	
Relative humidity during operation	< 95% (non-condensing)	
Relative humidity during storage	< 95% (non-condensing)	
Operating elevation ⁴⁾	< 1000 m	
Protection level	IP20	
Environment of installation	Office / industrial rooms with low level of pollution	
Cooling	Forced, internal fans	
Temperature of the cooling air	< 25°C	
Quantity of heat released for nominal work conditions	< 1600 BTU / h	< 2300 BTU / h
INPUT		
Nominal input voltage	230 V AC	
Input voltage range and tolerance	120 ÷ 276 V AC ± 3%	
Rated current	29 A	47 A
Input voltage rated frequency	50 / 60 Hz	
Input voltage frequency range and tolerance	45 ÷ 55 / 54 ÷ 66 ±1 Hz	
Input Power Factor	≥0,99	
Input current distortion (THDi)	< 5%	

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

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) The rack kit available as an option.
- 3) For UPS with internal batteries 5 ÷ 35 °C. Constant exposure of the battery module to temperatures of +25°C reduces the battery life.
- 4) The permitted maximum load of the power supply unit decreases with the height above the sea level above the limit specified above.

EPO

EPO (Emergency Power Off) is a mechanism that allows to interrupt energy supply to loads from the output of UPS in extreme situations (e.g. fire). The mechanism may be triggered by opening a dedicated pins attached to the external connectors located on the rear side of the housing or induced remotely from the user interface.

POWERLINE RT

6/10 kVA



TECHNICAL DATA

PARAMETERS \ TYPE	POWERLINE RT	
	POWERLINE RT 6000	POWERLINE RT 10 000
OUTPUT		
Nominal output voltage	230 V AC	
Output voltage range and tolerance - normal mode	208 V AC / 220 V AC / 230 V AC / 240 V AC $\pm 1\%$ (Output voltage value set with LCD panel. Default 230 V AC)	
Output voltage range and tolerance - battery mode	208 V AC / 220 V AC / 230 V AC / 240 V AC $\pm 1\%$ (Output voltage value set with LCD panel. Default 230 V AC)	
Rated current	26,1 A	43,5 A
Shape of output voltage (battery mode / normal mode)	sine-wave / sine-wave	
Output frequency range and tolerance - mains operation mode	50 / 60 $\pm 0,5$ Hz (The same as the input or selected in mode frequency conversion. If there is power reduction of 20 %)	
Output frequency range and tolerance - battery mode	50 / 60 $\pm 0,5$ Hz (The same as the input or selected in mode frequency conversion. If there is power reduction of 20 %)	
Output voltage regulation	$\pm 1\%$	
Output voltage distortion THDu	< 2 % for Pmax (line) < 5 % (non-line by PN-EN 62040-3)	
Crest Factor CF	3:1	
Transfer time to battery mode	0 ms	
Transfer time to normal mode	0 ms	
Overload capability ⁵⁾	102 % \div 130 % - 2min 130 % \div 150 % - 30 s > 150 % - 100 ms	
BATTERIES AND TYPICAL RUNTIME		
Internal Batteries	12 V / 5 Ah VRLA	12 V / 9 Ah VRLA
Number of internal batteries	1 x 15	1 x 20
Maximum overall internal batteries capacity	5 Ah	9 Ah
External battery modules (EBM)	Yes	
Maximum number of EBMs	4	
Backup time - internal batteries (100 % / 80 % / 50 % Pmax)	3 / 5 / 8 min	4 / 6 / 11 min
Backup time - internal batteries + EBM (100%/80%/50%Pmax)	10 / 14 / 26 min	11 / 15 / 27 min
Nominal voltage DC circuit	180 V DC	240 V DC
Internal batteries maximum charging time - after discharging at 80 % Pmax	≤ 4 h	
Maximum charging current	1 A	1,7 A

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

Notes:

5) With long-term operation of the load of the recommended values.

POWERLINE RT

6/10 kVA



TECHNICAL DATA

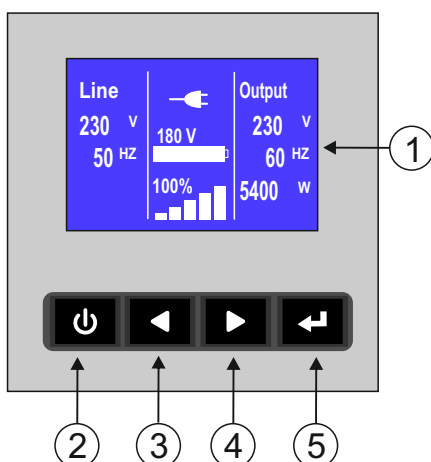
PARAMETERS \ TYPE	POWERLINE RT	
	POWERLINE RT 6000	POWERLINE RT 10 000
MECHANICAL SPECIFICATIONS		
Dimensions (H x W x D)	132 (3U) x 438 x 698 mm	215,5 (5U) x 438 x 704 mm
Net Weight ⁶⁾	46,2 kg	79,2 kg
Gross Weight ⁶⁾	50,7 kg	86,6 kg
Transport Dimensions (H x W x D)	280 x 585 x 950 mm	355 x 585 x 965 mm
Position in which devices transported	Horizontal	
PROTECT		
Input over current protection	Surge Protector	
	Inverter working – electronic short-circuit and overload protection	
Output over current protection	Short-circuit protection – the output sockets 2 x Circuit breaker 15 A / 250 V AC	Short-circuit protection – the output sockets 4 x Circuit breaker 20 A / 250 V AC
ACCESSORY AND EXTRA FUNCTIONS		
Power supply connection	terminal block	
Output connection (number and type of sockets)	4x IEC 320 C13 (10 A) 2x IEC 320 C19 (16 A) terminal block	8x IEC 320 C19 (16 A) terminal block
EPO	Yes (NC)	
Manual Switch BYPASS	Yes	
Signalling	Acoustic and optical; LCD display	
Communications interfaces	RS232, USB, parallel connector, network management card SNMP / HTTP – optional, AS 400 card - optional	
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.

Notes:

6) Weight for the typical battery.

USER INTERFACE



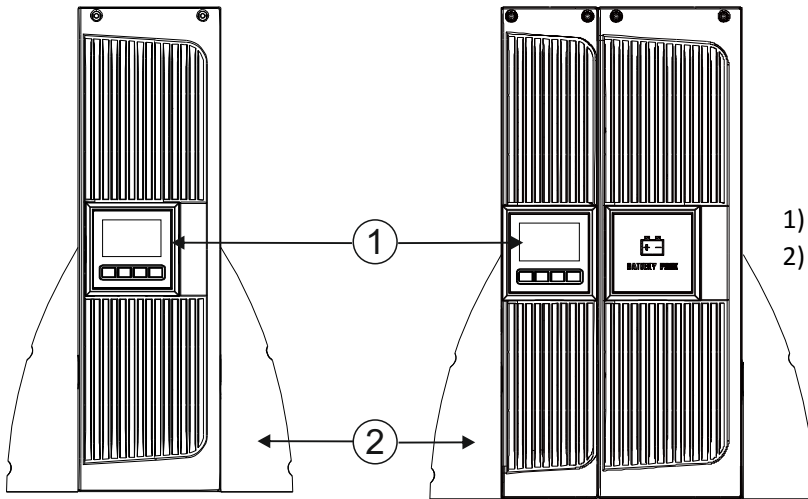
- 1) LCD display.
- 2) ON/OFF button.
- 3) Scrolling button (Up / Back).
- 4) Scrolling button (Down / Forward).
- 5) Select button.

POWERLINE RT

6/10 kVA



UPS STRUCTURE-FRONT PANEL

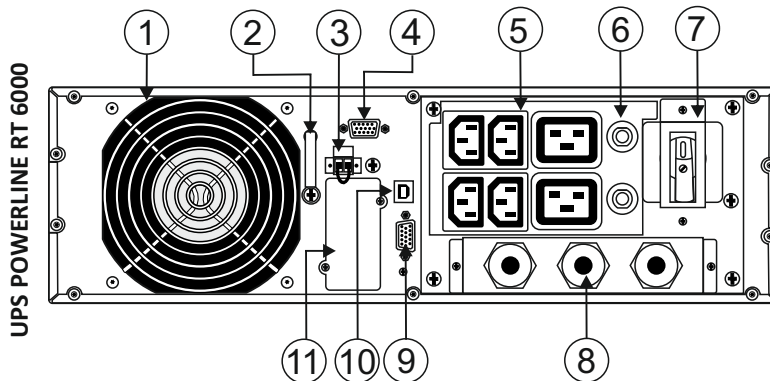


UPS POWERLINE RT 6000

UPS POWERLINE RT 10000

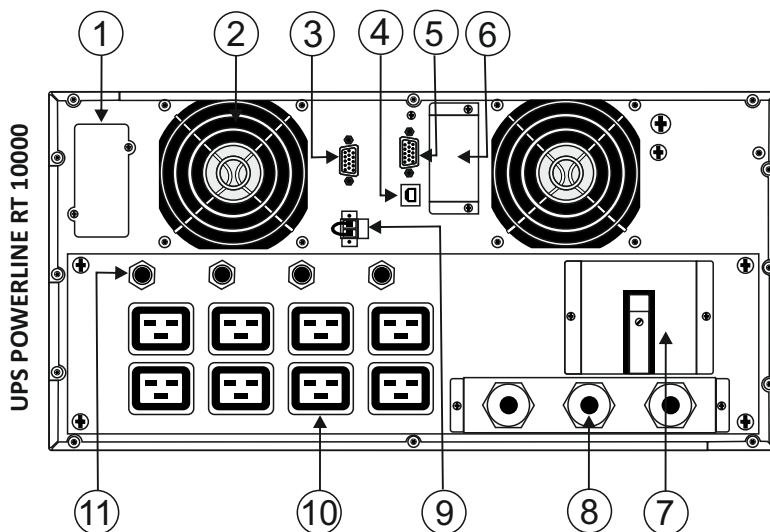
- 1) User Interface with LCD display.
- 2) 2 sets of tower bases for vertical installation.

UPS STRUCTURE-BACK PANEL



UPS POWERLINE RT 6000

- 1) Fan.
- 2) Ground screw.
- 3) REPO connector.
- 4) Parallel connector.
- 5) Outlet sockets.
- 6) Output circuit breaker.
- 7) BYPASS (service) system switch.
- 8) Input/Output terminal block.
- 9) RS232 communication interface.
- 10) USB communication interface.
- 11) Adapter/expansion card slot plug.



UPS POWERLINE RT 10000

- 1) Adapter/expansion card slot plug.
- 2) Fan.
- 3) Parallel connector.
- 4) USB communication interface.
- 5) RS232 communication interface.
- 6) External battery connector.
- 7) BYPASS (service) system switch.
- 8) Input/Output terminal block.
- 9) REPO connector.
- 10) Outlet sockets.
- 11) Output circuit breaker.