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KESSUPS 52RT

Line-Interactive-UPS



Efficient protection for server and IT equipment

The KESSUPS 52RT series offers one of the best solutions for the protection of servers and computer networking.

The Line-Interactive-Technology with sine wave output and an output power factor of 0,9 is compatible with all major IT devices. Additional battery modules can be installed for longer backup time.

The UPS is available as combined rack-tower model with rotatable LCD. Stands and mounting brackets are also included.

Regarding the communication ports all KESSUPS 52RT models are up-to-date and equipped with RS-232 as well as USB port. In addition a smart slot for optional cards like SNMP, MODBUS-over-IP or dry contacts is available.

The UPS can be monitored, locally or virtual, through a special monitoring software (available for all relevant operating systems).

Features

- Line-Interactive-UPS with sine wave output
- Output power factor = 0,9
- Combined rack-tower model
- Rotatable LCD
- Permanent AVR stabilisation
- Includes stands (tower) und mounting brackets (rack)
- Backup extensions available for all power ratings
- Communication interfaces for RS-232 and USB-HID
- Monitoring software for Windows, Linux and Mac
- Line protection for ADSL / Fax / Modem
- Output for critical / non-critical loads
- Emergency stop (EPO)
- Manual or automatic battery test
- Slot for SNMP / MODBUS-over-IP / dry contacts

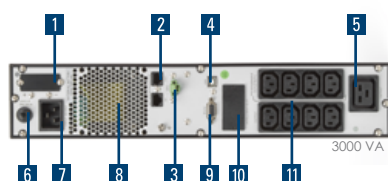
Application

The KESSUPS 52RT series convinces with its multifunctional solutions for industrial and computer environments. The high power density UPS supplies all types of servers, routers, switches, etc. reliably and guarantees a high level of security.

Models

Model	Item number	Power (VA / W)	Dimensions (D x W x H mm)	Weight (kg)
KESSUPS-52RT-1100	11620020	1100 / 990	410 x 438 x 88 (2U)	14
KESSUPS-52RT-1500	11620021	1500 / 1350	510 x 438 x 88 (2U)	20
KESSUPS-52RT-2000	11620022	2000 / 1800	510 x 438 x 88 (2U)	22
KESSUPS-52RT-3000	11620023	3000 / 2700	630 x 438 x 88 (2U)	30
Model	Item number	Suitable for	Dimensions (D x W x H mm)	Weight (kg)
KESSUPS-EBM-24V	11601005	52RT-1100	410 x 438 x 88 (2U)	17
KESSUPS-EBM-48V	11601007	52RT-1500 52RT-2000	510 x 438 x 88 (2U)	29
KESSUPS-EBM-72V	11601008	52RT-3000	630 x 438 x 88 (2U)	42

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Connections

1. Connection for battery module
2. Transient protection for ADSL / Fax / Modem
3. Emergency stop (EPO)
4. USB interface
5. Socket IEC C19 (only for 3000 VA models)
6. Resettable thermal cutoff (protection for 1100 VA model)
7. Plug (IEC C14 for models 1100 & 1500 VA; IEC C20 for models 2000 & 3000 VA)
8. Fan
9. RS-232 interface
10. Smart slot for SNMP / MODBUS-over-IP / dry contacts
11. Sockets, programmable for critical (x4) / non-critical (x4) loads

TECHNICAL SPECIFICATIONS						
KESSUPS 52RT MODEL			1100 VA	1500 VA	2000 VA	3000 VA
FORMAT			Tower / Rack			
TECHNOLOGY			Line-Interactive-UPS with sine wave output			
INPUT	Rated voltage		208 / 220 / 230 / 240 V			
	Voltage range		170 - 280 V			
	Stabiliser		Buck-Boost			
	Frequency		50 / 60 Hz (auto-detection)			
	Frequency range		± 5 Hz			
	Input protection		protection (1100) or resettable thermal switch (1500 / 2000 / 3000)			
OUTPUT	Power factor		0,9			
	Waveform		Pure sine wave			
	Rated voltage		208 / 220 / 230 / 240 V			
	Voltage accuracy (battery mode)		± 1,5 %			
	Total harmonic distortion (THDv)		< 2 % linear load / < 5 % non-linear load			
	Frequency		50 / 60 Hz			
	Frequency accuracy (battery mode)		± 0,1 Hz			
	Overload	Online mode	< 120 % off at 5 min. / <150 % off at 10 sec.			
		Battery mode	< 120 % off at 1 min. / <150 % off at 10 sec.			
Programmable sockets		8 x IEC C13 / programmable for critical (x4) / non-critical (x4) loads				
BATTERY	Battery type		Pb-Ca sealed, AGM, maintenance-free			
	Protection		Against power surges, undervoltages and alternating current components			
	Battery test		Automatically each time you start & once a week			
COMMUNICA-TION	Interface		RS-232 / USB-HID			
	Slot		SNMP / Dry contacts / MODBUS-over-IP			
	Monitoring software		For Windows, Linux and Mac			
OTHER FUNCTIONS	Cold start		Yes, start trough batteries			
	Emergency stop (EPO)		Yes			
	Power saving mode		Yes, automatic stop in battery mode with load <5 %			
	Fan speed		Smart fan speed			
	Site wiring fault		Error detection of phase-neutral rotation and / or absence of earthing			
GENERAL	Operating temperature		0°C - +40°C (20°C for batteries)			
	Relative humidity		Up to 95 %, non-condensing			
	Operating altitude		2.400 m a.s.l. (power reduction up to 5.000 m)			
	Noise level at 1 metre		< 45 dB			
STANDARDS	Safety		EN-62040-1: 2008			
	EMC		EN-62040-2: 2006 (C2)			
	Operating		EN-62040-3: 2011			

Optional equipment



SNMP Card



KESS PDU



ANS - Automatic transfer switch



MBE - UPS Bypass System