



Catalog

Rack Smart Sinus Invertor

- Pure Sine wave output
- Smart Technology
- Super charger (Adjustable battery charger)
- Wide input voltage operation range
- High quality device
- Long life with reparation
- 3 year warranty



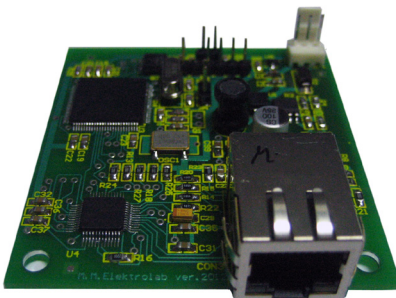
Namena



Industry, medical, server rooms..

DESCRIPTION:

- Rack Smart Sinus Inverters is high quality device, generates a pure Sinusoidal voltage. This models does not have an internal batteries, only external, for extended autonomy battery work, battery capacity-option. Intendent for installation in cabinets.
- Inverter Models: 24Vdc (R15i) / 48Vdc (R22i) / 110Vdc (R30i)
- Extreme working conditions. Inverters are intended for operation in conditions of moisture, dust, high and low temperatures. All printed boards are varnished and protected (valid for models R15i and R22i).
- Super-charger, digital adjustable charger, from 26Ah to 200Ah with IU characteristic and temperature compensation (valid for models R15i and R22i). This option, does not apply to the R30i model which does not have a charger.
- Smart technology enables high reliability, fully automated and independent system.
- Long life -Inverter life without repairs over 10 years (not applicable for batteries).
- Lots of quality protections.
- Saving event+log alarms in real time.
- Wide input voltage operation range (min 150V~ - max 290V~ without degrading power). This only applies to models R15i and R22i, model R30i has an operating range of 180-265V~.
- The possibility of choosing the operating mode, this only applies to the R30i model, which has the option of choosing: On line (no break according to consumers in case of mains power failure, stable value of the output voltage with a tolerance of 2%) / Off-Line maximum break up to 5mS, according to consumers, in the event of a mains voltage failure, output voltage tolerance 10%.
- Not necessary external rectifier, for power supply (valid for models R15i and R22i), this does not apply to model R30i
- Relay card for remote signaling "mains voltage failure" and "alarm group (overload, overheat etc)".
- An option of installing a LAN card with SNMP and HTTP protocols, which allows real-time monitoring of UPS devices anywhere in the country and abroad. Only for models R15i / R22i



Smart Sinus UPS
Model: T22

Monitoring values		Alarms	
Name	Value	Alarm type	Status
Input Voltage	214 V	Network fault	Regular
Output Voltage	214 V	Empty Battery	Regular
Output Power	0 %	Check Battery	Regular
Input Frequency	50 Hz	Overload	Regular
Battery Voltage	100 %	Overcharge	Regular
Temperature	16 C	Overheat	Regular
Serial Number	1022	By-pass	Regular

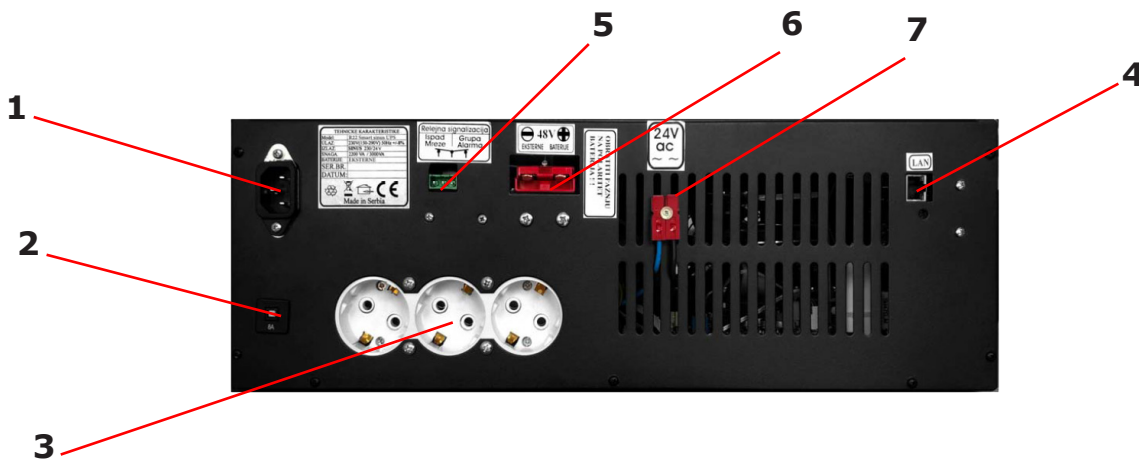
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1.1 TECHNICAL DATA FOR R15i i R22i:

MODEL:	R15i	R22i
Power:	1500VA / max 1000W	2200VA / max 1600W
INPUT:		
Nominal Voltage:	230V (min 150V – max 290V without degrading power)	
Frequency:	50Hz +/- 10 %	
OUTPUT:		
Connection:	Schuko CEE7 x 3	
Nominal Voltage:	230V +/- 5 % - 24V~ / 6A	
Wave form:	Pure Sine wave	
Frequency:	50Hz +/- 0,01%	
Transfer time:	0 msec	
By-pass:	NO	
Efficiency:	92% (Load=100%)	
Topology:	Double conversion	
PROTECTIONS:		
Protections:	Short circuit at the output / Overload / Overcharge batteries / Deep batteries discharge / Overvoltage-Undervoltage on the UPS Input / Overvoltage-Undervoltage on the UPS Output / Overheating. -Printed circuit boards are protected from moisture	
INDICATOR:		
Front panel:	Alfa-numeric display 4x20 character with back light, measurement: -Input/Output voltage, Input frequency, Batteries voltage (V), Charging / Discharging battery %,Output power (VA/%), Work time on batteries,Ups status, Log alarm, Event alarm, Real time-calendar, Charge current battery, Ambiental and Heatsink temperature. -Button On-Off , Parameter setting	
BATTERIES:		
Battery number and model:	External 2 x 12V (24V) , battery capacity-option	External 4 x 12V (48V) , battery capacity-option
Charger:	Digital adjustable, min 9Ah to max 200Ah with IU characteristics and temperature compensation	
Soft-start (batt.circuit):	YES	
Charging time:	6-8h	
Autonomy:	Option	

COMMUNICATION:		
Communication:	-Integrated LAN card + software -Relay signaling: Network failure / Alarm group	
SAFETY STANDARDS:		
LVD conformity :	EN 60950	
EMC conformity:	EN 62040-2:2006	
DIMENSIONS:		
Height:	15 cm	
Widht:	44 cm	
Depth:	35 cm	
GENERAL:		
Green power:	Yes, adjustable	
Self test battery:	Yes (10-90days and 1-60min adjustable)	
Voltage distortion:	<3%	
Operating temperature range:	-20°C to +65°C	
IP class:	IP 21	
Safety mark:	CE	
Weight:	20 kg	21 kg
WARRANTY:		
Warranty:	Ups 3 years	

Rear side R15i, R22i:



1. Power connector 220 VAC
2. Power fuse
3. Connection Schuko CEE7 x 3
4. LAN communication
5. Relay signaling
6. Connector for external batteries
7. Output 24 VAC

1.2 TECHNICAL DATA R30i:

MODEL:	R30i
Power:	3000VA/ max 2100W
INPUT:	
Nominal Voltage:	230V VAC (from 180V~ to 265V~ without degrading power)
Frequency:	50Hz +/- 8 %
OUTPUT:	
Nominal Voltage:	230V +/- 2 %
Voltage distortion:	<3%
Wave form:	Pure Sine wave
Frequency:	50Hz +/- 0,01%
Transfer time:	0 msec
By-pass:	Yes
Efficiency:	> 87%
Topology:	On line / Off line
PROTECTION:	
Protections:	Short circuit at the output / Overload / Overcharge batteries / Deep batteries discharge / Overvoltage-Undervoltage on the Input / Overvoltage-Undervoltage on the Output / Overheating
INDICATOR:	
Front panel:	Alpha-numeric display for show: - input / output voltage, input / output frequency, battery voltage, output power, battery work time, UPS status, number of mains voltage outages, AC output current. -enable/disable buttons , settings
BATTERIES:	
Battery number and model:	110V nominal (Range: 85V – 160V)
Soft-start (batt.circuit):	YES
Settings:	Minimum output AC voltage below which an alarm occurs / Maximum output AC voltage above which an alarm occurs / Minimum input DC voltage below which the inverter turns off / Maximum input DC voltage above which the inverter turns off / Input DC voltage restarts from the maximum side / Input DC restart voltage from the minimum side / Selection of On-line or Off-line operating mode
Communication:	Overload / Dc voltage out of range

SAFETY STANDARDS:	
LVD conformity :	EN 60950
EMC conformity:	EN 62040-2:2006
DIMENSIONS:	
Height:	17 cm
Widht:	44 cm
Depth:	67 cm
GENERAL:	
Dielectric strength:	5000V DC Input / Output ; 5000V DC Input / ground; 2500V DC Input / ground
Crest factor:	3
Operating temperature range:	-20°C to +50°C
IP class:	IP 21
Safety mark:	CE
Weight:	35 kg
WARRANTY:	
Warranty:	3 years




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