



# Smart Sinus Ups T22b / 2000VA / 1400W

- Pure Sine wave output
- Smart technology
- Real time and calendar
- Super charger (Adjustable battery charger)
- Wide input voltage operation range
- High quality device
- Long lifetime without reparation
- 5 year warranty

## Purpose



IT sector, offices, industry, medical, server rooms...



#### **DESCRIPTION:**

• Smart Sinus Ups is high quality device, generates a pure Sinusoidal voltage at the output  $230V \sim +/-5\%$ . This ups model does not have an internal batteries, two external (24V) is connected, battery capacity-option.

• Carefully selected high quality components from well-known manufacturers.

• Super-charger digital adjustable charger, min 9Ah to max 200Ah with IU characteristics and temperature compensation. Easy to add external batteries for extended autonomy.

- Smart technology enables high reliability, fully automated and independent system.
- Long life -UPS life without repairs over 15 years (not applicable for batteries).

• Wide input voltage operation range (min  $150V \sim - max 290V \sim$  without degrading power).

• Lots of quality protections.

• Saving event+log alarms in real time.

• Unique concept of Service Support, the purchase of our UPS devices gives you special software through which our product is directly connected via the Internet to the service mail of our company.

• Advanced UPS monitoring software that has the unique concept of generating its own local area network between a UPS device and one or more computers / servers.

• In situations where the mains voltage disappears and the battery is discharged or any alarms occur, UPS before shutting down, executes at the same time shutting down operating systems on all computers / servers, then the UPS device shuts off. In the event of a power failure or any alarm, the UPS sends alerts on monitors of all computers.

IZAZNI NAPON:     223 V     UPSTADEZAN     HPEOPEREERVE       IZAZNI SAVORZIA:     20142     ISPAD MEZE     PREM NAVANLE       IZAZNA SAVAGA:     0%     BATERIA RAZNA     PREGREVANE       STATUS BATERIA:     100 %     PROMETERIA TRAZNA     PREGREVANE	Serjakibroji 300013 DO00000 VEENE RADA NA BATERIJAMA DISLATURDORMA MERENJA ULAZNI NAPON: 225 V EZAZNI NAPONI NAPON: 225 V EZAZNI NAPONI N	HOME DATALOG EVENTLOG SETTINGS ABOUT	
ULAZNI NAPON:         226 V         UPS POWEZAN         PPEOPTERECENCE           IZLAZNI NAPON:         223 V         ISPAD MREZE         PREPUNIAVANJE           IZLAZNI NAPON:         223 V         ISPAD MREZE         PREPUNIAVANJE           IZLAZNI NAPON:         0%         BATERIJA FRAZZVA         PRECREVANJE           STATUS BATERIJA:         100 %         POVJENTI BATERIJU         BY PASS	ULAZNI NAPON:         226 V         UPS POWEZAN         PPEOPTEPEGENE           IZLAZNI NAPON:         223 V         ISPAD MPEZE         PREPUNJAVANE           IZLAZNI SAKAGA:         000         BATERIJA PRAZVA         PREOPTEPEGNE           STATUS BATERIJA:         100 %         POWEITI BATERIJU         BY PASS		Serijal broj: 300015
IZAZNI NAPON:     223 V     UPSTADEZAN     HPEOPEREERVE       IZAZNI SAVORZIA:     20142     ISPAD MEZE     PREM NAVANLE       IZAZNA SAVAGA:     0%     BATERIA RAZNA     PREGREVANE       STATUS BATERIA:     100 %     PROMETERIA TRAZNA     PREGREVANE	IZAZNI NAPON:     223 V     US ROUZAN     PREVMELSVE       IZAZNI SAMARXIA:     201Fz     ISPAD MIEZE     PREVMENSIANNE       IZAZNA SAMAA:     0%     BATERIDA PRAZNA     PREGMENSIA       STATUS BATERIDA:     100 %     PROMENTI BATERIDA     PREGMENSIA	MERENJA	STATUS UPS
IZA.273 KNAPON:         223 V           ISPAD MPEZE         PREPLNJAVANJE           IZA.273 KNACA:         0%           BATERIJA RPAZNA         PRECREVANJE           STATUS BATERIJA:         100 %           PROVENTI BATERIJU         BY PASS	IZA ZAYI KANOON:         ZZA V         ISPAD NEEZ:         PREPUNJAVANE           REKVENCIJA:         50 Hz         ISPAD NEEZ:         PREPUNJAVANE           IZA ZAYA SNAGA:         0 %         BATERIJA PRAZVA         PREGREVANE           STATUS BATERIJA:         100 %         PROMETITI BATERIJU         BY PASS	ULAZNI NAPON: 226 V	LIPS DOVEZAN PREOPTERECENTE
TREX/EXCLA:         OTH2           12.02AVA SNAGA:         0.10           STATUS BATERIJA:         100.40           PROVENTI BATERIJU         BY - PASS	HREWENCIA:         501Fz           JAZANA SNAGA:         0 <sup>4</sup> b           STATUS BATERIJA:         100 <sup>40</sup> p           PROMETTI BATERIJJ         BY-PASS	IZLAZNI NAPON: 223 V	
STATUS BATERIJA: 100 % PROVERTI BATERIJU BY PASS	STATUS BATERIJA: 100 % PROVERTIL BATERIJU BY PASS	FREKVENCIJA: 50 Hz	ISPAD MREZE PREPUNJAVANJE
PROVERITI BATERIJU BY-PASS	PROVERITI BATERIJU BY-PASS	IZLAZNA SNAGA: 0 %	BATERIJA PRAZNA PREGREVANJE
TEMPERATURA: 22.C	TEMPERATURA: 22.C	STATUS BATERIJA: 100 %	DOOVEDITI BATEDITI BY DASS
		TEMPERATURA: 22 C	PROVENTI DATENDO DI PADO

• 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.



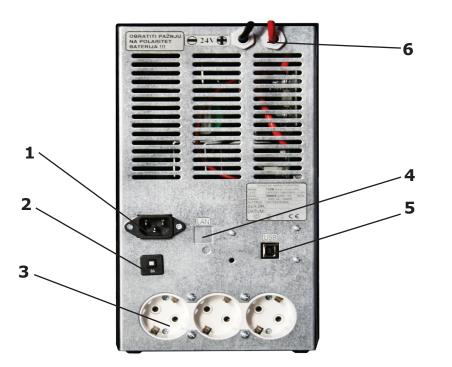
ie Edit Serv History Sockram				
Mittlektroleb Smart Sinus	÷			
<ul> <li>€ 3 192.168.1.58</li> </ul>				🚖 🗢 C 🔍 🔍 - Ny Web Sea
🗃 Most Visited 😫 Getting Started 👭	NN elektrolab 🏨 PTC :: Hacasawa 🚾 I	992 - Internet, Radio I 🚺 You'lube	💁 Audence Overview - 🦲 🗄 Workspace Login 📱	ануліун пого 🔟 политика
			Sinus UPS del: T22	
	Monitori	ng values	Ala	ums
	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
	actial rounder			

### **TECHNICAL DATA:**

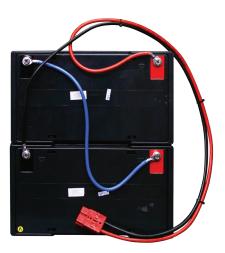
MODEL:	T22b	
Power:	2000 VA /1400 W	
INPUT:		
Nominal Voltage:	230V (min 150V – max 290V without degrading power)	
Frequency:	50Hz +/- 10 %	
OUTPUT:		
Connection:	Schuko CEE7 x 3	
Nominal Voltage:	230V +/- 5 %	
Wave form:	Pure Sine wave	
Frequency:	50Hz +/- 0,01%	
Transfer time:	0 msec	
By-pass:	NO	
Efficiency:	92% (Load=100%)	
Topology:	Double conversion	
PROTECTIONS:		
Protections::	Short circuit at the output / Overload / Over- charge batteries / Deep batteries discharge / Overvoltage-Undervoltage on the UPS Input / Overvoltage-Undervoltage on the UPS Output / Overheating.	
INDICATOR:		
Front panel:	Alfa-numeric display 4x20 character with back light, measurement: -Input/Output voltage,Input frequency,Batteries voltage (V), Charging / Discharging bat- tery %,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:	Two external (24V) , battery capacity-option	
Charger:	Digital adjustable, min 9Ah to max 200Ah with IU characteristics and temperature compensation.	
Expanding work autonomy:	Yes	
Charging time:	6-8h	
Autonomy:	Option-depending on battery capacity.	
COMMUNICATION:		
Communication:	USB / Option LAN (+Software)	

SAFETY STANDARDS:		
LVD confirmity :	EN 60950	
EMC confirmity:	EN 62040-2:2006	
DIMENSIONS:		
Height:	32 cm	
Widht:	17 cm	
Depth:	54 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:	24 kg	
WARRANTY:		
Warranty:	Ups 5 years	

#### **REAR SIDE:**



- 1. Power connector 220 VAC
- 2. Power fuse
- 3. Connection Schuko CEE7 x 3
- 4. LAN communication
- 5. USB communication
- 6. Wires for connection of external batteries





Džona Kenedija 11 Belgrade - Kaluđerica Serbia +381 11 34 13 442 office@mmelektrolab.com