

sinusPRO S



PURE SINE WAVE SINUS PRO INVERTER is a combination of a 230V power inverter with a pure sinusoidal output voltage waveform, an MPPT solar charger and a UPS module with a mains charger. Device is equipped with button which can switch off/on the mains charger and change the priority of the power supply (AC / SOLAR).

Main features:

- ✓ device outputs pure sinusoidal output signal, thanks to which the power supply is compatible with, among others: refrigerators, freezers, ventilators, TV sets, fluorescent lamps
- ✓ construction based on an efficient toroidal transformer
- ✓ double control of the main processor
- ✓ high efficient MPPT solar charger
- ✓ wide range of input frequency, 50/60 Hz automatic detection
- ✓ intelligent switching between the power supply's priorities for better performance and lower energy losses
- ✓ full range of protection and alarms: overload, short circuit, over voltage and temperature protection
- ✓ an easy-to-use display that provides a preview of the most important functions
- ✓ **refreshed version of sinePRO S** has a button that allows you to turn off or on the mains charger. Thanks to this, we can turn off the charging, leaving the BYPASS function active. In solar mode, when the mains charger is switched off and after the battery has been discharged (at night, when there is no charge), the UPS will switch to BYPASS mode without charging the battery

Model	500 S	800 S	1000 S	2000 S	3000 S	5000 S
Continuous power	300 W	500 W	700 W	1400 W	2100 W	3400 W
Instantaneous power	500 VA	800 VA	1000 VA	2000 VA	3000 VA	5000 VA
Input DC voltage	12 V	12 V	12 V	24 V	48 V	48 V
Solar controller	10 A PWM ~18V 12-25V		30 A MPPT ~36V 12-50V		60 A MPPT ~72V 48-110V	
Mains AC charger	10 A		20 A		15 A	
Battery charging voltage	13,8V ± 0,5V	13,8V ± 0,5V	13,8V±0,5V	27,6V±0,5V	58V±0.5V	58V±0.5V
AVR voltage stabilizer	Tak 140 - 275 VAC					
Range of AC input voltage	Switch to battery mode occurs whe input voltage is lower than 160 V (+- 5 V) or higher than 260 V (+- 5 V)					
Frequency of AC input voltage	45 Hz ~ 65 Hz					
Range of AC output voltage	AVR: 204 - 240 V, zasilacz awaryjny UPS: 230 V (+- 3%)					
Frequency of AC output voltage	50 Hz (+- 0,5 Hz)					
Overload protection(DC battery mode)	In case of overload 110 % - 130 % switching off will occur in 30s. If overload is higher than 130 % switching off will occur immediately.					
Overload protection(AC mode)	Device will inform about overload till it switch off.					
Temperature	0-40 st. C					
Cooling	Heatsinks + fans					
Permitted humidity	10 % RH ~ 90 % RH					
Mains charger switch	-	-	YES	YES	YES	YES