SINUS PRO ULTRA 2000 12/230V (1000W/2000VA) SOLAR INVERTER + 60A MPPT (105V) OFF-GRID

DISCONTINUED



PRODUCT CODE
3SSH100012

EAN
5904100450749

CATEGORY
Solar inverters and energy storage systems

SUBCATEGORY
SINUS PRO ULTRA solar inverters (off-grid, island, MPPT, 1F)

PRODUCT PAGE
voltpolska.pl/produkty/sinus-pro-ultra-2000-12230v-10002000...

ABOUT THE PRODUCT

SINUS PRO ULTRA 2000 12/230V (1000W/2000VA) SOLAR INVERTER + 60A MPPT (105V) OFF-GRID combines the functions of an inverter, solar charger and battery charger. It operates in off-grid mode, independently of the power grid, storing energy obtained from solar panels in batteries and supplying it to the connected load.

The device generates a pure sine wave voltage, allowing it to power consumer electronics, household appliances, office equipment, power tools, pumps and compressors, including inductive loads. It is compatible with mains voltage and generator power and is equipped with a cold-start function.

The clear LCD display and buttons enable configuration of the battery charging current, AC/solar charging priority and permissible input voltage. Automatic restart occurs after AC power is restored. The inverter offers short-circuit, overload and thermal protection.

For operation in photovoltaic systems, batteries designed for cyclic charging are recommended, such as gel GEL VPRO SOLAR, DEEP CYCLE VPRO SOLAR or lithium LiFePO4 batteries. Select the correct battery type and a charging current appropriate for its capacity. The PC SolarLife software is available at: https://voltpolska.pl/solarmonitor.exe

TECHNICAL SPECIFICATIONS

General Parameters	**Continuous power**	1000W
	Total power (instantaneous)	2000VA
	Output voltage waveform	Pure sine wave
	No-load power consumption	25W
	Maximum efficiency	90% ~ 93%
	Switching time	10 ms (UPS / VDE4105 mode) / 20 ms (APL mode)

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TECHNICAL SPECIFICATIONS - CONTINUED

Input Parameters (Mains)	**Nominal input voltage**	230 VAC
	Input voltage range selection	170 ~ 280 VAC (UPS) / 90 ~ 280 VAC (APL) / 184 ~ 253 VAC (VDE)
	Input frequency	50 Hz / 60 Hz (Auto)
Output Parameters (AC)	**Output voltage (battery mode)**	220 VAC ~ 240 VAC (230 VAC ± 5%)
Battery	**Battery system voltage**	12 VDC
	Supported battery types	AGM, Gel, Flooded lead-acid, LiFePO4 / Li-ion
	Float voltage	13,7 VDC
	Overload protection	15 VDC
Solar and Charging Parameters	**Built-in solar controller**	MPPT
	Maximum PV panel power	625W
	Panel operating voltage range (VOC)	15 ~ 105 VDC
	Max. PV open-circuit voltage (Voc)	105 VDC
	Maximum safe panel operating current (Imp)	up to 8A – 10A (input limit)
	Maximum safe panel short-circuit current (Isc)	up to 10A – 12A
	Maximum mains charging current	10A / 20A
	Maximum total charging current (Mains + PV)	70A (default 60A)
General Data and Installation	**Communication interface**	USB / RS485
	Recommended operating temperature	0°C ~ 50°C (older versions also specified -10°C)
	Operating humidity	5% ~ 95%
	Device dimensions (D x W x W)	224 x 337 x 97 mm
	Net weight	5,0 kg
	Individual package dimensions	410 x 300 x 178 mm
	Individual package weight	5,4 kg

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PRODUCT GALLERY









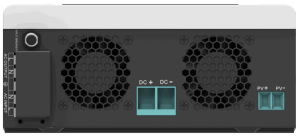
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