SINUS PRO ULTRA 4000 24/230V (2000W/4000VA) SOLAR INVERTER + 60A MPPT (145V)

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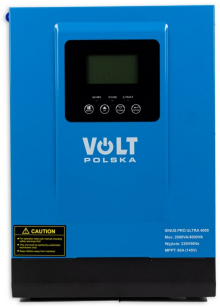
PRODUCT CODE
3SSH200024

EAN
5904100450732

CATEGORY
Solar inverters and energy storage systems

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

PRODUCT PAGE
voltpolska.pl/produkty/sinus-pro-ultra-4000-24230v-20004000...



ABOUT THE PRODUCT

SINUS PRO ULTRA 4000 is an off-grid solar inverter combining the functions of an inverter, solar charger and battery charger. The device provides a pure sine wave output voltage, allowing it to supply consumer electronics, household appliances, office equipment, power tools, pumps and compressors.

The clear LCD display and buttons enable configuration of operating parameters, including the battery charging current, AC or solar charging priority, and permissible input voltage. The inverter operates with mains voltage or a generator and supports automatic restart after AC power supply restoration.

The device is equipped with short-circuit, overload and thermal protection, as well as a cold-start function. In W off-grid mode, energy from the solar panels is stored in the batteries and then supplied to the connected load.

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

TECHNICAL SPECIFICATIONS

General Parameters	**Continuous power**	2000W
	Total power (instantaneous)	4000VA
	Output voltage waveform	Pure sine wave
	No-load power consumption	26W
	Maximum efficiency	90% ~ 93%
	Transfer time	10 ms (mode UPS / VDE4105) / 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**	24 VDC
	Supported battery types	AGM, Gel, Flooded lead-acid-, LiFePO4 / Li-ion
	Float voltage	27,4 VDC
	Overload protection	30 VDC
Solar parameters (MPPT) and charging	**Built-in solar controller**	MPPT-60A
	Maximum PV panel power	1500W
	MPPT operating voltage range (Vmp)	30 ~ 120 VDC
	Maximum PV open-circuit voltage (Voc)	145 VDC
	Maximum safe panel operating current (Imp)	up to 12A – 16A (limit MPPT)
	Maximum safe panel short-circuit current (Isc)	up to 15A – 18A
	Maximum mains charging current	10A / 20A
	Maximum total charging current (Mains + PV)	70A (default 60A)
General Data and Installation	**Recommended operating temperature**	0°C ~ 50°C
	Operating humidity	5% ~ 95%
	Device dimensions (L x W x W)	224 x 337 x 97 mm
	Net weight	5,7 kg
	Individual package dimensions	410 x 300 x 178 mm
	Individual package weight	6,1 kg

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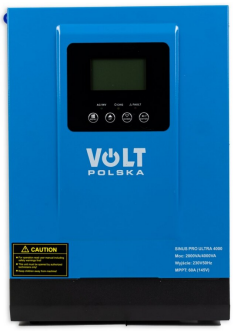
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PRODUCT GALLERY













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