SINUS PRO ULTRA-HV 6000 24/230V (3000W/6000VA) SOLAR INVERTER + 80A MPPT (450V) OFF-GRID

REGULAR RANGE

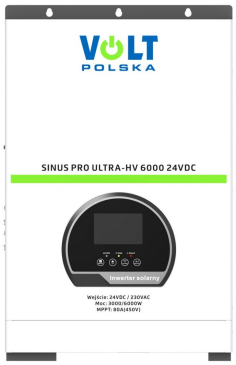
PRODUCT CODE
3SSHV30024

EAN
5904100452125

CATEGORY
Solar inverters and energy storage systems

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

PRODUCT PAGE
voltpolska.pl/produkty/ultra-hv



ABOUT THE PRODUCT

SINUS PRO ULTRA-HV 6000 24/230V (3000W/6000VA) SOLAR INVERTER + 80A MPPT (450V) OFF-GRID is an island inverter with a converter that generates a pure sine-wave voltage corresponding to the mains voltage. It enables the power supply of consumer electronics, household appliances, office equipment, power tools, pumps and compressors, including inductive loads.

The device is equipped with a high-voltage solar controller MPPT 450VDC, allowing a larger number of solar panels to be connected in series. Energy obtained from the photovoltaic installation can be stored in batteries and then supplied to the connected load. The inverter is compatible with the Ultra 5 energy storage system.

Parameter configuration is performed using the LCD display. Computer software available via USB enables parameter monitoring and control, while an external WIFI remote-control module is available as an option. The device has short-circuit, overload and temperature protection.

For operation in photovoltaic installations, batteries designed for cyclic charging are recommended, such as gel GEL VPRO SOLAR, DEEP CYCLE VPRO SOLAR or lithium LiFePO4 batteries. Select the appropriate battery type and charging current according to its capacity, and configure the relevant parameters in the power supply settings. PC software: SolarLife – https://voltpolska.pl/solarmonitor.exe.

TECHNICAL SPECIFICATIONS

Voltage	48VDC
No-load power consumption	68W

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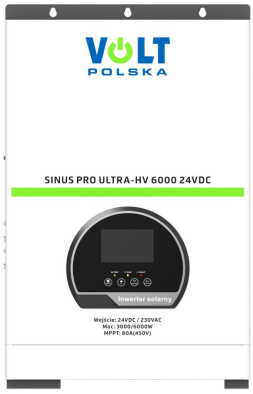
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TECHNICAL SPECIFICATIONS - CONTINUED

Inverter output	**Maximum peak power**	11000VA
	Maximum continuous power	5200W
	Output voltage range (battery mode)	230VAC ± 5%
	Output voltage waveform	Pure sine wave
	Transfer time	10ms (UPS mode) / 20ms (APL mode)
	Maximum efficiency	90%-93%
Mains input	**Voltage**	230VAC
	Input voltage range selection	170~280VAC (for computers) / 90~280VAC (for household appliances)
	Maximum mains charging current	80A
	Frequency range	50Hz / 60Hz (automatic detection)
Battery	**Battery voltage**	48VDC
	Float voltage	54,8VDC
	Overload protection (overcharging)	60,0VDC (cut-off)
Solar panel	**Controller operating range MPPT**	150~430VDC
	Maximum PV panel open-circuit voltage (Voc)	450VDC
	Maximum PV input current (Imp)	27A
	Maximum battery charging current from PV panels	100A
Dimensions/Weight	**Device dimensions**	295 x 505 x 142 mm (+/- 3%)
	Device weight	13 kg (+/- 3%)
	Individual package dimensions	615 x 410 x 260 mm (+/- 3%)
	Individual package weight	14 kg (+/- 3%)
Other	**Operating temperature**	0°C ~ 50°C
	Storage temperature	-15°C ~ 60°C
	Safety certificate	CE

PRODUCT GALLERY









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