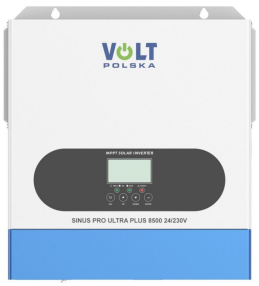
SINUS PRO ULTRA PLUS 8500 24/230V (4200W/8500VA) SOLAR INVERTER + 120A MPPT (60-500V) + Wi-Fi + RS485

REGULAR RANGE



PRODUCT CODE
3SSS420024

EAN
5904100453085

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-plus-8500-24-230v-420...

ABOUT THE PRODUCT

SINUS PRO ULTRA PLUS 8500 24/230V (4200W/8500VA) is a multifunctional 3w1 device that combines the functions of an inverter, solar charger and battery charger. It is designed for off-grid operation, meaning it supplies devices in systems isolated from the power grid. It generates a pure sine wave voltage.

The LCD display allows the power source priorities—grid, PV or battery—to be configured, as well as the charging current and input voltage ranges. The dual AC output (main and auxiliary) enables load management using UTL, SOL, SBU and SUB priorities.

The device supports BMS communication and is compatible with modern energy storage systems, such as ULTRA 5. The battery activation function allows deeply discharged lithium batteries to be woken up using energy from PV panels or the grid.

The built-in Wi-Fi module enables remote operation monitoring via a dedicated application for devices running iOS and Android. The inverter is also equipped with short-circuit, overload and overtemperature protection.

TECHNICAL SPECIFICATIONS

Voltage		24VDC
No-load power consumption		30-60 W
Inverter output	**Maximum peak power**	8400VA
	Maximum continuous power	4200VA/4200W
	Output voltage range (battery mode)	220VAC-230VAC+-5%
	Transfer time	10ms (Home computers); 20ms (Household appliances)

VOLT POLSKA Sp. z o.o.

ul. Świemirowska 3, 81-877 Sopot
NIP 5851458032 | REGON 221142660
KRS 0000372066

voltpolska.pl
(58) 500-85-62
hurt@voltpolska.pl
pomoc@voltpolska.pl

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TECHNICAL SPECIFICATIONS - CONTINUED

Input grid	**Voltage**	230VAC
	Input voltage range selection	170-280VAC (Home computers); 90-280VAC (Household appliances)
	Maximum mains charging current	120A
	Frequency range	50Hz/60Hz
Battery	**Battery voltage**	24VDC
	Float voltage	27VDC
	Overload protection	32VDC
Solar panel	**Controller operating range MPPT**	60VDC-500VDC (start-up voltage: 70 VDC)
	Maximum open-circuit voltage of PV panels (Voc)	500VDC
	Maximum PV input current (Imp)	27A
	Maximum battery charging current from PV panels	120A
Dimensions/Weight	**Device dimensions**	368 x 320 x 120 mm+-5%
	Device weight	7.9 kg+-5%
	Unit packaging dimensions	478 x 408 x 195 mm+-5%
	Unit packaging weight	8.9 kg+-5%
Other	**Humidity**	5% to 95%
	Operating temperature	-10°C - 50°C
	Storage temperature	-15°C - 60°C
	Ingress protection rating	IP21

PRODUCT GALLERY





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