ULTRA HYBRID 3600 48V/230V 1-PHASE (3600W) HYBRID INVERTER + 2 X MPPT (120-500V) + Wi-Fi

REGULAR RANGE

PRODUCT CODE
3SSHZ50048

EAN
5904100452149

CATEGORY
Solar inverters and energy storage systems

SUBCATEGORY
SINUS PRO ULTRA HYBRID solar inverters (hybrid, MPPT, 1F, 3F)

PRODUCT PAGE
voltpolska.pl/produkty/ultra-hybrid-3600-48230v-36005400w...



ABOUT THE PRODUCT

ULTRA HYBRID 3600 48V/230V 1-PHASE (3600W) HYBRID INVERTER + 2 X MPPT (120-500V) + Wi-Fi combines the functions of an on-grid and off-grid inverter. It enables electrical devices to be powered from a photovoltaic system and, in off-grid mode, also enables energy to be stored in batteries and supplied to the connected load.

The device is equipped with two MPPT inputs, a LCD display for parameter configuration, and short-circuit, overload and temperature protection. The inverter is compatible with the Ultra 5 energy storage system and the BMS.

Computer software enables operation via USB, while the external Wi-Fi module enables remote monitoring and control of parameters. The built-in converter with a pure sine wave enables the powering of consumer electronics, household appliances, office equipment, power tools, pumps and compressors, including inductive loads.

For W photovoltaic systems, the use of batteries designed for cyclic operation is recommended, such as gel GEL VPRO SOLAR, DEEP CYCLE VPRO SOLAR or lithium LiFePO4 batteries. The battery type and charging current must be selected correctly, as incorrect settings may result in damage to the battery and loss of warranty.

TECHNICAL SPECIFICATIONS

Inverter output (AC)	**Continuous power**	3600 W
	Grid connection	1-phase
	Output voltage range	220/230/240V; 180-280V
	Frequency range	50/60Hz; 45~55/55-65Hz
	Maximum output current	15.6 A
	Output voltage waveform	Pure sine wave

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TECHNICAL SPECIFICATIONS - CONTINUED

PV input (DC)	**Maximum panel power**	5400 W (Maximum recommended input power)
	Maximum voltage (Voc - open-circuit voltage, without load)	500 V
	Nominal voltage	360 V
	Start-up voltage	120 V
	MPPT voltage range (panel operating Vmp)	120 V – 500 V
	Number of MPPT circuits	2
	Number of strings per MPPT input	1
	Maximum input current (Imp - optimum current at the maximum power point)	15 A / 15 A
Battery	**Battery type**	Lead-acid- battery and lithium--ion battery
	Voltage	48 V
	Battery voltage range	40 V ~ 60 V
	Maximum charging current	75 A
Efficiency	**Maximum efficiency**	97,10%
	European efficiency	96,50%
	Efficiency MPPT	99,50%
Other parameters and operating environment	**Protection**	Overload, overtemperature, reverse polarity (DC), short-circuit, overcurrent protection
	Interface	RS485, Wi-Fi
	Operating temperature	-25°C ~ 60°C (>45°C power limited)
	Cooling	Natural cooling (fans)
	IP rating	IP65
	Noise level	<65 dB
	Dimensions (H x W x D)	420 x 480 x 198,7 mm (according to the HxWxD diagram)
	Weight	27 kg

PRODUCT GALLERY









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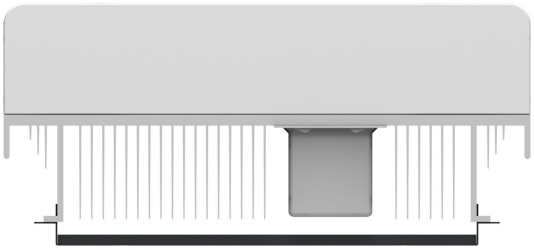
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