600W 25.6V 50Ah 1280Wh + MPPT HOME POWER STATION

REGULAR RANGE

PRODUCT CODE
5TG060100M

EAN
5904100453450

CATEGORY
Solar inverters and energy storage systems

SUBCATEGORY
Home power stations

PRODUCT PAGE
voltpolska.pl/produkty/domowa-stacja-zasilania-600w-25-6v-5...



ABOUT THE PRODUCT

The home power station 600W 25.6V 50Ah 1280Wh + MPPT combines solar and grid power supply with energy storage. Surplus generated energy is stored and can be used during low solar irradiance or increased power demand.

The device uses an MCU processor and an integrated MPPT controller, which tracks the photovoltaic panels' maximum power point in real time. It also supports charging from the electrical grid and is equipped with a UPS function, providing backup power in the event of a power outage.

The station offers two 220V AC outputs, DC 12V outputs and USB ports with fast-charging support, including QC3.0 and Apple protocols. It enables the power supply of DC devices, such as LED lighting and fans, as well as the charging of mobile devices.

The built-in LiFePO₄ battery and Plug and Play design ensure readiness for operation after connection, without the need for installation.verter The bidirectional inverter supports charging and backup power UPS in less than 20ms.

TECHNICAL SPECIFICATIONS

General Parameters and Power Supply	**Model**	Home power station 600W + 25.6V 50Ah 1280Wh + MPPT
	Rated output power	600W (Bidirectional inverter: charging and backup power UPS <20ms)
	Battery capacity	1280 Wh (25,6 V / 50 Ah, LiFePO₄ type)
	Output voltage waveform	Pure sine wave (Pure Sine Wave)
	AC outputs	230V AC / 120V AC (2x AC sockets)

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TECHNICAL SPECIFICATIONS - CONTINUED

Input and Charging Parameters	**Input voltage AC**	220V~240V (50Hz) / 100V~120V (45-65Hz)
	Charging power AC	Max. 200W
	PV (Solar) charging voltage	30V ~ 60V (Control mode: MPPT)
	PV charging power	Max. 350W
	Total charging power (AC + DC)	Max. 550W
Output Ports USB and DC	**Ports USB-A**	2x USB-A (white core: 5V/2,4A, DCP), 1x USB-A (blue core: 5V/3A, 9V/2A, 12V/1.5A, QC2.0/3.0, Huawei FCP, Samsung AFC)
	Output Type-C	Type-C: PD3.0, max. 22W (5V, 9V, 12V, PD2.0/PD3.0 PPS protocol)
	Outputs DC	4x DC: 12V / 5A
Safety and Additional Features	**Circuit protection**	Short-circuit and overload protection (DC, USB, AC)
	Altitude limitations	For use at altitudes below 4000 m above sea level
Environmental Parameters and Dimensions	**Optimal ambient temperature**	20°C ~ 30°C
	Charging temperature	0°C ~ 45°C
	Discharging temperature	-10°C ~ 45°C
	Storage temperature	0°C ~ 40°C
	Product dimensions	340 x 164 x 460 mm
	Net weight	19 kg

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PRODUCT GALLERY









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