ULTRA-5 25,6V 200Ah (150A) 5120Wh ENERGY STORAGE

REGULAR RANGE

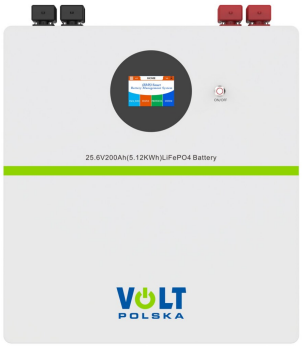
PRODUCT CODE
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EAN
5904100451883

CATEGORY
Solar inverters and energy storage systems

SUBCATEGORY
ULTRA energy storage systems (LiFePO4, for photovoltaics)

PRODUCT PAGE
voltpolska.pl/produkty/magazyn-energii-ultra-5-256v-200ah-1...



ABOUT THE PRODUCT

ULTRA-5 25,6V 200Ah (150A) 5120Wh ENERGY STORAGE is used to store energy generated by a photovoltaic system and use it later, including during periods of increased demand and lower solar irradiance.

The device uses lithium-iron-phosphate cells LiFePO4 and a BMS management system that monitors voltage, current, temperature and state of charge. The BMS protects the energy storage system against over-discharge, overcharging and extreme temperatures. The declared service life is approximately 6000 cycles while retaining at least 60% of the original capacity.

The modular design enables energy storage systems to be connected in parallel, allowing the installation to be expanded and capacity to be increased as energy demand grows. The compact enclosure facilitates installation in various interiors. The energy storage system can be used in private and public facilities such as single-family homes, restaurants, hotels, supermarkets and factories.

ULTRA-5 25,6V 200Ah 150A is compatible with SINUS PRO ULTRA 4000VA and 6000VA solar inverters, which generate the 24VDC voltage required by the built-in BMS. PBmsLVTools software V1.38 is available for configuring and communicating with the energy storage system.

TECHNICAL SPECIFICATIONS

General Parameters	**Nominal voltage**	25,6V
	Nominal capacity	200Ah
	Energy capacity	5,12 kWh (5120 Wh)
	Cycle life	6000 cycles (0,2 C, 25°C 80% DOD)
	Efficiency	>98%
	Self-discharge (per month)	<3%
	Max. number in a parallel circuit	16 pcs.
	Max. number in a series circuit	Not permitted

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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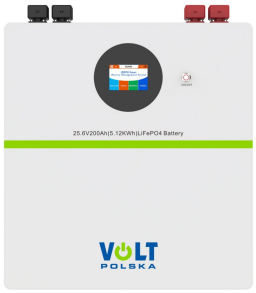
TECHNICAL SPECIFICATIONS - CONTINUED

Charging and Discharging	**Recommended charging voltage**	28,8V
	Maximum charging voltage	29,2V
	Rated operating current (charging/discharging)	100A
	Rated usable power	2,56 kW
	Maximum available continuous current	150A
	Maximum available power	3,84 kW
Protections (BMS)	**Protection during charging (single cell)**	3,7V
	Overvoltage protection (entire battery)	29,2V
	Low discharge voltage protection (cell)	2,7V
	Low discharge voltage protection (battery)	26,1V
	Short-circuit protection	YES
BMS characteristics	**First charging current protection**	205A (Delay time: 2s)
	Second charging current protection	210A (Delay time: 1s)
	First discharge current protection	205A (Delay time: 1s)
	Second discharge current protection	210A (Delay time: 100ms)
	Overcharge voltage protection	29,2V (Delay time: 1–2 s)
	Overdischarge voltage protection	26,1V (Delay time: 1–2 s)
	Temperature protection	PCB temperature < 95°C, return to normal operation < 85°C
	Main communication port	CAN, optionally RS485
Operating Environment	**Charging temperature**	(0 to 55)°C
	Discharge Temperature	(-20 to 60)°C
	Storage Temperature	(-20 to 45)°C

TECHNICAL SPECIFICATIONS - CONTINUED

Physical Parameters	Dimensions (L x W x H)	510 x 475 x 160 mm
	Net Weight	48,5 kg
	Terminal Type	Per terminal M8
	Terminal Torque	8,5 Nm
	Housing Material	SPCC
	Individual Package Dimensions	550 x 520 x 220 mm
	Individual Package Weight	49,5 kg

PRODUCT GALLERY





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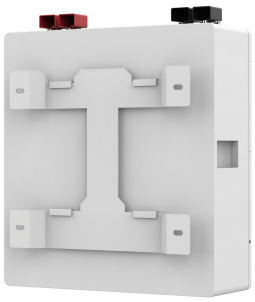
hurt@voltpolska.pl

pomoc@voltpolska.pl

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pomoc@voltpolska.pl

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