ULTRA-5 51,2V 200Ah (200A) 10240Wh ENERGY STORAGE

REGULAR RANGE

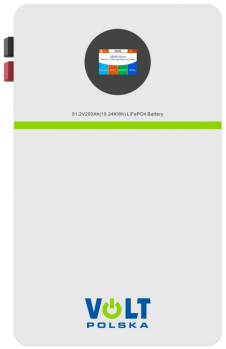
PRODUCT CODE
6AES510020

EAN
5904100452286

CATEGORY
Solar inverters and energy storage systems

SUBCATEGORY
ULTRA energy storage systems (LiFePO4, for photovoltaics)

PRODUCT PAGE
voltpolska.pl/produkty/magazyn-energii-ultra-5-512v-200ah-2...



ABOUT THE PRODUCT

The ULTRA-5 51,2V 200Ah (200A) 10240Wh ENERGY STORAGE system is used to store energy produced by a photovoltaic installation and use it later, including during periods of increased demand and lower solar radiation.

The device uses lithium-iron-phosphate cells (LiFePO4), ensuring a long service life and safety. It can perform approximately 6000 cycles while retaining at least 60% of its original capacity. The built-in BMS monitors voltage, current, temperature and state of charge, and protects the storage system against over-discharge, overcharge and extreme temperatures.

The modular design enables energy storage systems to be connected in parallel and the installation to be expanded as demand increases. The compact dimensions and modern design facilitate installation in various interiors. The storage system can be used in single-family homes, restaurants, hotels, supermarkets and factories.

The ULTRA-5 51,2V 200Ah (200A) is compatible with SINUS PRO ULTRA solar inverters 8000VA and 10000VA, which generate the 48VDC voltage required by the storage system's BMS. Software link: http://voltpolska.pl/PBmsLVTools_V1.38_20241212.rar

TECHNICAL SPECIFICATIONS

General Parameters	**Rated voltage**	51,2V
	Nominal capacity	200Ah
	Energy capacity	10,24 kWh (10240 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

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TECHNICAL SPECIFICATIONS - CONTINUED

Charging and Discharging	**Recommended charging voltage**	56,0V
	Maximum charging voltage	58,4V
	Rated operating current (charging/discharging)	100A
	Rated usable power	5,12 kW
	Maximum available continuous current	200A
	Maximum available power	10,24 kW
Protections (BMS)	**Charging protection (single cell)**	3,7V
	Overvoltage protection (entire battery)	58,4V
	Low discharge voltage protection (cell)	2,7V
	Low discharge voltage protection (battery)	43,2V
	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	58,4V (Delay time: 1–2 s)
	Overdischarge voltage protection	43,2V (Delay time: 1–2 s)
	Temperature protection	PCB temperature < 95°C, return to normal operation < 85°C
	Main communication port	CAN, optional 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)	680 x 412 x 231 mm
	Net Weight	93,7 kg (-/+ 5%)
	Terminal Type	M8 terminal
	Terminal Torque	8,5 Nm
	Housing Material	SPCC
	Individual Package Dimensions	760 x 505 x 440 mm
	Individual Package Weight	104 kg

PRODUCT GALLERY





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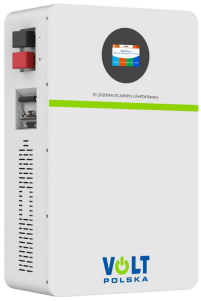
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