

ENERGY STORAGE SYSTEMS

ULTRA-5 25,6V 200Ah 100A

INDEKS: 6AES240020

EAN: 5904100451883

Energy storage systems ULTRA-5 25,6V 200Ah 100A are designed to store energy produced via photovoltaic system.

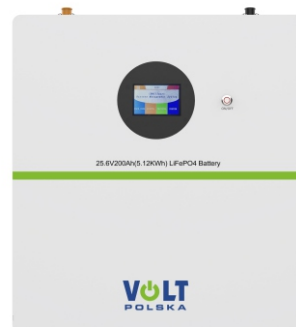
They can be used in single-family houses and public space e.g. restaurants, hotels, supermarkets, factories.

The general features are:

- The use of lithium iron phosphate (LiFePO₄) cells ensures long life of the device and its safety.
- Long cycle life times with 6000 cycles. This enables to charge and discharge the device while maintaining 60% of its capacity.**
- BMS (Battery Management System)** that monitors various parameters such as **voltage, current, temperature and state of charge**. It also protects the device against excessive discharge, overcharge and extreme temperatures.
- The modular design allows to connect the energy storage systems in parallel, so you can increase the capacity in case of growth energy demand.
- Modern design and small size enables the installation of device in almost every interior.

Main technical data:

MODEL	5 25,6V 200Ah 100A
Nominal voltage	25,6V
Recommend charge voltage	28,8V
Nominal capacity	200Ah
Max charge voltage	29,2V
Energy density	5120Wh
Recommend charge current	50A
Max continuous current	100A
Terminal type	Plug-in
Terminal torque	8,5 Nm
Material	SPCC
Cycle Life (0.2C, 25°C 80% DOD)	6000 cycles
Efficiency	>98%



Certificates



Usage

ENERGY STORAGE SYSTEMS

ULTRA-5 25,6V 200Ah 100A

INDEKS: 6AES240020
EAN: 5904100451883

Main technical data:

MODEL	5 25,6V 200Ah 100A
Discharge temperature	(-20 do 55)°C
Charge temperature	(0 do 55)°C
Storage temperature	(-20 do 45)°C
Self Discharge per Month	<3%
Max in parallel	16pcs
Max in series	Not allowed
Netto dimensions	510x475x160mm
Netto weight	50kg
Gross dimensions	560x508x226mm
Gross weight	52kg
Multipack dimensions	1120x1120x1105mm
Multipack weight	835kg



BMS characteristic:

Primary Charging Protection	Current :155A	Delay Time: 20s
Second Charging Protection	Current :200A	Delay Time: 2~3s
Primary Discharging Protection	Current :155A	Delay Time: 1s
Second Discharging Protection	Current :200A	Delay Time: 100ms
Over Charge Voltage Protection	Voltage :29.2V	Delay Time: 1~2s
Over Discharge Voltage Protection	Voltage :21.6V	Delay Time: 1~2s
Temperature Protection	Temperature PCB ≥95°C Recover≤85°C	
Communication Port	Major RS485, optional for CAN	



Certificates



Usage

ENERGY STORAGE SYSTEMS

ULTRA-5 25,6V 200Ah 100A

INDEKS: 6AES240020
EAN: 5904100451883

Constant Current Discharge Data (Amperes 25°):

Discharge Time	Cut off voltage (21,6V)
1h	—
2h	100A
3h	66,67A
4h	50A
5h	40A
10h	20A
20h	10A



Constant Power Discharge Data (Watts 25°C):

Discharge Time	Cut off voltage (21,6V)
1h	—
2h	2560W
3h	1706,6W
4h	1280W
5h	1024W
10h	512W
20h	256W

