

ENERGY STORAGE SYSTEMS

ULTRA-5 51,2V 200Ah 175A

INDEKS: 6AES610020
EAN: 5904100453696

Energy storage systems ULTRA-5 51,2V 200Ah 175A 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:

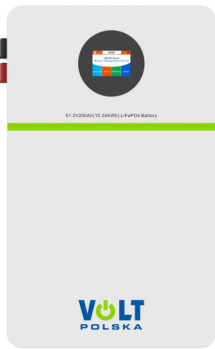
The use of lithium iron phosphate (LiFePO4) cells ensures long life of the device and its safety.

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	51.2V200
Nominal voltage	51,2V
Recommend charge voltage	57,6V
Nominal capacity	200Ah
Max charge voltage	58,5V
Energy density	10240Wh
Recommend charge current	20A
Max continuous current	150A
Terminal type	M8
Material	SPCC
Cycle Life (0.2C, 25°C 80% DOD)	6000 cycles
Efficiency	>98%



Certificates



Usage

ENERGY STORAGE SYSTEMS

ULTRA-5 51,2V 200Ah 175A

INDEKS: 6AES510020
EAN: 5904100452286

Main technical data:

MODEL	51.2V200
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 series	Not allowed
Netto dimensions	680x412x231mm
Netto weight	84,9-/+5%kg
Gross dimensions	760x505x440mm
Gross weight	103,5kg
Multipack dimensions	
Multipack weight	



Certificates

BMS characteristic:

Primary Charging Protection	Current :205A	Delay Time: 20s
Second Charging Protection	Current :210A	Delay Time: 2~3s
Primary Discharging Protection	Current :205A	Delay Time: 10s
Second Discharging Protection	Current :210A	Delay Time:100ms
Over charge Voltage Protection	Voltage :58.4V	Delay Time: 1~2s
Over Discharge Voltage Protection	Voltage :43.2V	Delay Time: 1~2s
Temperature Protection	Temperature PCB ≥95°C Recover≤85°C	
Communication Port	Major RS485, optional for CAN	



Usage

ENERGY STORAGE SYSTEMS

ULTRA-5 51,2V 200Ah 175A

INDEKS: 6AES510020
EAN: 5904100452286

Constant Current Discharge Data (Amperes 25°):

Discharge Time	Cut off voltage (44.8V)
1h	200A
2h	100A
3h	66,7A
4h	50A
5h	40A
10h	20A
20h	10A

Constant Power Discharge Data (Watts 25°C):

Discharge Time	Cut off voltage (44.8V)
1h	10240W
2h	5120W
3h	3413,3W
4h	2560W
5h	2048W
10h	1024W
20h	512W

