

**PRODUCT CATALOG: CELLX HOME 5**

**STORE YOUR ENERGY WITH US**



## CELLX HOME 5

CELLX HOME 5 is a device for efficient electricity storage. Keep the energy you produce in storage and use it at your convenience. No longer do you need to return excess electricity to the supplier. Our storage solution enables energy independence and optimizes power consumption.

Application: Private spaces such as homes, as well as public spaces (restaurants, hotels, supermarkets, etc.).



### Device Characteristics:

- the use of Lithium Iron Phosphate (LiFePO<sub>4</sub>) cells, which ensure a long lifespan and device safety,
- Capability of performing approximately 8000 cycles, allowing multiple charge and discharge cycles while maintaining at least 80% of the original capacity, ensuring years of use,
- Battery Management System (BMS) monitors key storage parameters such as voltage, current, temperature, and charge status, protecting the device from over-discharge, overcharge, and extreme temperatures,
- Modular design enables multiple storage units to be connected in parallel, allowing system expansion when energy demand increases,
- Modern design and compact size make it easy to install the device in any interior.

## Installation Methods

The CELLX HOME 5 storage system is designed to meet diverse needs. It is equipped with mounting brackets that allow for wall installation. Additionally, the unit features support feet, enabling stable placement on the ground. This design provides users with flexibility in space arrangement, allowing them to adapt the installation method to their individual requirements.



We also offer a modular mounting system, specifically designed for our storage units. This system allows for connecting 6 units stacked horizontally (as shown in the diagram below), providing a compact appearance. The solution consists of 4 components made from high-quality materials, which connect together to form a frame. This system creates a 1 cm gap between the units, ensuring proper ventilation for the devices.



# Mobile Application - myCELLX

The CELLX HOME 5 is operated through a dedicated Polish mobile application. The software is available for both Android and Apple systems. myCELLX is available in Polish and English languages, with the option to add additional languages. The myCELLX app allows users to monitor and configure the parameters of the CELLX HOME 5 energy storage in real-time. The app can be downloaded via the QR code provided on the side, as well as directly from Google Play and the Apple Store.



## App Preview



PL EN



PL EN

### Device Monitoring

SN: 5312312354

**48%**  
SOC



Current: 0mA  
Voltage: 5259mV

### Voltage in Individual Cells

### Voltage in Individual Cells



# CELLX Home 5 Storage

## 51.2 V 100 Ah 100 A



### Technical Specifications:



Feature	Characteristics
Nominal Voltage	51,2 V
Recommended Charging Voltage	57,6 V
Nominal Capacity	100 Ah
Maximum Charging Voltage	58,5 V
Maximum peak power	5120W@30s
Rated power	2560W
Energy density	5120 Wh
Maximum Continuous Current	100 A
Terminal Type	Plug-in
Terminal Torque	8,5 Nm
Enclosure Material	SPCC
Cycle Life	8000 cycles
Efficiency	>98%
Discharge Temperature	-20 to 55 °C
Charging Temperature	0 to 55 °C
Storage Temperature	-20 to 45 °C
Self-discharge per month	<3%
Maximum Number in Parallel Circuit	16 units
Maximum Number in Series Circuit	Prohibited
Dimensions	650x384x142 mm
Weight	48 kg

The CELLX HOME 5 storage system is compatible with low-voltage inverters from the following companies:

Deye, Growatt, FelicityESS, Sofar Solar, GoodWe, Must, SMA, Easun, Anenji, PowerMr.

## BMS Characteristics

Charging Current Protection Level I	105 A	Delay Time: 20 s
Charging Current Protection Level II	110 A	Delay Time: 2-3 s
Discharge Current Protection Level I	110 A	Delay Time: 10 s
Discharge Current Protection Level II	150 A	Delay Time: 100 ms
Overcharging Voltage Protection	59,2 V	Delay Time: 1-2 s
Over-discharge Voltage Protection	43,2 V	Delay Time: 1-2 s
Temperature Protection	PCB Temperature < 95°C, recovery to normal operation < 85°C	
Main Communication Port	RS485, optionally CAN	

## Certificates:



IEC Certificate



CE in Europe

UN38.3

UN38.3 in Europe



ISO Certificate

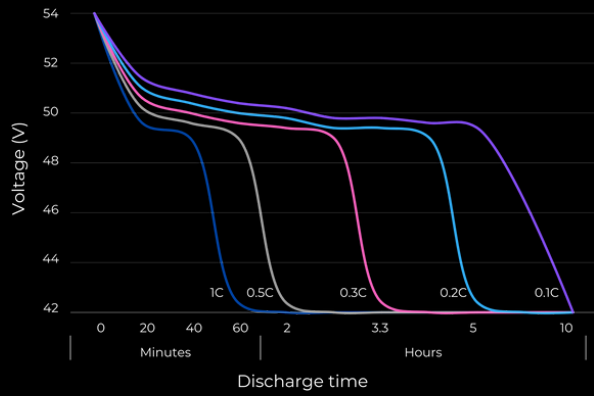
REACH

REACH certificate

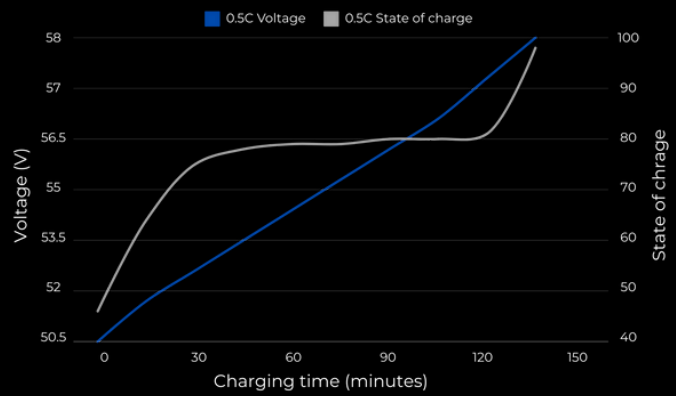


RoHS in Europe

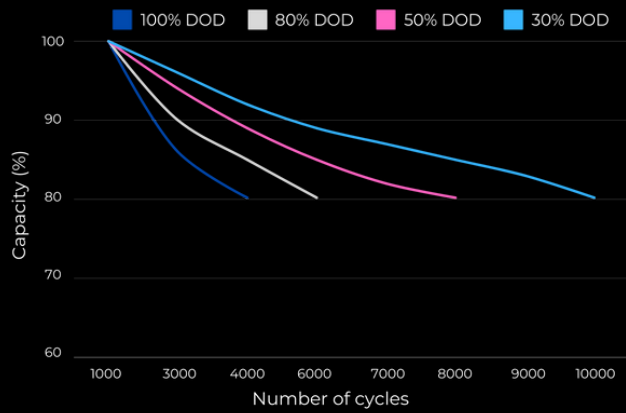
### Discharge Characteristics at 25°C



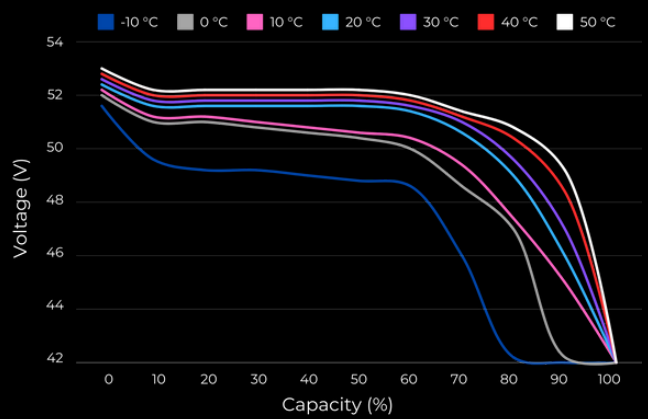
### State of Charge Curve (0.5C, 25°C)



### Discharge Cycle at Different Depths of Discharge (DOD) 0.2C, 25°C



### Discharge Curve at Different Temperatures 0.5C



### DC Discharge Data (Amperes at 25°C)

Discharge Time	1h	2h	3h	4h	5h	10h	20h
Cut-off Voltage (44.8V)	100A	50A	33,3A	25A	20A	10A	5A

### DC Discharge Data (Watts at 25°C)

Discharge Time	1h	2h	3h	4h	5h	10h	20h
Cut-off Voltage (44.8V)	5120W	2560W	1706,7W	1280W	1224W	512W	256W

**TAKE CARE OF YOUR ENERGY**

**CELLX HOME 5 Energy Storage**

**[www.cellx.pl](http://www.cellx.pl)**



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INNOVATIVE ENERGY STORAGE

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