

Large-scale storage systems  
from Germany.

Technical specifications

# ebu ENERGY BE 200

- ✓ Battery storage with integrated inverter
- ✓ High storage capacity - 215 kWh
- ✓ Long-lasting - approx. 6,000 charging cycles at 80% EOL
- ✓ LiFePO<sub>4</sub> cell technology
- ✓ Flexible integration - German-owned EMS
- ✓ Robust design - protection class IP54
- ✓ Embedded security - Cell voltage, flue gas, and temperature monitoring
- ✓ High temperature tolerance - from -30°C to approx. 60°C (power reduction from 45°C)
- ✓ Fire & Emergency Protection - aerosol fire extinguishing system, emergency stop switch

**Plug & Play**  
compact,  
ready-to-use  
solution



Areas of application:

**businesses // industry // agriculture // residential  
buildings // supermarkets // critical infrastructure //  
EV charging infrastructure // biogas plants**

Battery Parameters	
Type Of Battery Cell	3,2V/280Ah (LFP)
Battery PACK Configuration	1P16S/14,336kWh
Battery System Configuration	1P240S
Nominal System Voltage (V)	768
Battery System Capacity (kWh) 215,04	215,04
Operating Voltage Range (V)	720-840
Product guarantee	5 years
Performance guarantee	6.000 cycles or 8 years 80% EOL, 25°C ±2

AC parameter (grid-connected)	
Rated Power (kW)	100
Rated Grid Voltage (V)	400
Grid Voltage Range	-15% - 10%
AC Frequency (Hz)	50/60
Frequency Domain (Hz)	±5
Total Harmonic Current Distortion THDi	<3%
Grid-connected Power Factor	-1 (cap) - 1 (ind)
AC-System	3P+N+PE

AC parameter (Off-grid)	
Rated Power (kW)	100
Nominal Voltage (V)	400
AC Off-grid Frequency (Hz)	50/60
Off-grid Output THDu	<2% Linear
Overload Capacity	110%-10min, 120%-1min

System Parameters	
Box Size (WxDxH)	1.650 x 1.290 x 2.470 mm
Operating Temperature Range	-30-60°C (above 45°C Derated)
Humidity Range	0-95% (No Condensation)
Cooling Mode	Air-Cooled
Fire Fighting System (Battery Container)	Aerosol + Additional extinguishing water connection
Highest Altitude	5.000m (above 3.000 m Reduced Amount)
Display	Touchscreen
Weight kg	approx. 3.200
IP Level	IP54
Communication Method	RS485/Ethernet/CAN
Monitoring System	Possess

Certificates & Standards	
Grid compliance	VDE 4105, VDE 4110, VDE 4120
Safety- and Qualitystandards	IEC 62619, IEC 63056, IEC 61000-6-2/4, UL 9540A, UL 1973
Transport	UN 38.3, CE



**Storage systems for industrial, commercial, agricultural and municipal energy projects.**

ebu combines German project and service expertise with global technological power through its partnership with Jiangsu Furen Energy Technology in China. Our storage systems stabilise grids, integrate renewable energies into the energy market and increase self-generated energy consumption to reduce operational electricity costs.

**OUR SERVICES:**

**PROCUREMENT & AVAILABILITY:**

Reliable energy storage systems from China – imported, tested, and approved for Europe by an experienced German company.

**PROJECT PLANNING:**

We plan and coordinate the entire installation and commissioning process. Our trained specialists will ensure the technical setup, secure connection to the grid and smooth start-up of the system. We deliver a software solution for monitoring and control that is ready for use. This provides real-time data and clear reports for safe plant operation.

**PROJECT PROCESS:**

The system is delivered and installed on the construction site. All trades are coordinated centrally and the project is managed in a structured manner until commissioning.

**SERVICE:**

Permanent technical monitoring (24/7) to check system functionality. For a fast response time in the event of a service call, call the ebu support hotline on +49 921 508-383 during normal business hours.