

## Power That Dominates



<b>Model</b>	
<b>Weight</b>	1300kg
<b>Dimensions (L x W x H)</b>	1250 x 800 x 2000 mm
<b>Connection</b>	Power cables & CAT6
<b>Grid integration</b>	AC coupled / DC coupled on request
<b>Ambient temperature range</b>	-25 ~ 40 °C
<b>Protection degree</b>	IP54
<b>Applications</b>	Power sprints, EV charging stations, Balancing markets, Demand charge slashing



### Stacked Specifications

Number of units	1 cabinet	5 cabinets
Nominal capacity	134kWh	670kWh
Available capacity	107kWh	535kWh
Max / Nominal AC power	270kW / 250kW	1350kW / 1250kW
Inverter efficiency / AC current	Up to 98.9% / 150A	Up to 98.9% / 150A
Max Round-trip efficiency	85.23%	85.23%
Installation restrictions	None	None

### General Specifications

System cooling	Fan-cooled
Communication parts	Ethernet
Communication control	Modbus TCP/IP
Noise emission	<70dB
Total harmonic distortion	<3%
Operation altitude range	≤2000m
Max recommended PV per system	50kVA

## Battery Specification

Nominal DC voltage	800V
AC battery input voltage	700-900V
Frequency	50/60Hz
Max charge current	80A
Cell discharge	107kWh at 80% DoD
Cell chemistry	NMC
Over-current protection	Fuse-protection



## Compliance Information

Safety standards	IEC/EN 62477, IEC 62619, CE
Grid standards	VDE-AR-N 4105, 50549-1/2, EREC G99
EMC standards	IEC/EN 61000-6-1/2/3/4
General warranty	2-year general warranty
Capacity warranty	Up to 3000 cycles or 3 years*
Enclosure rating	IP54

## BadESS Surge - Power Delivered in Seconds

### Built to Outlast, Outpower, and Outperform

The Ekoda BadESS Surge is a powerful all-in-one BESS for fast energy storage and delivery. With 134kWh capacity, 250kW nominal output, and maximum 400kW output at 3C, it's designed for industrial and commercial use, combining all components into one reliable system.

### Unmatched Flexibility, Effortless Installation, and Safety Above All

"Plug-and-play" setup enables instant energy storage. Scale capacity as needed, and with IEC 62619 certification, fire prevention is built in. The double-walled BESS cabinet endures high temperatures and prevents fire spread.

### Our Design. Zero Compromises

Designed by Ekoda, the BESS cabinet is built to deliver optimal energy storage without the need for shading or additional cover.

### Future-Ready Tech

With advanced control systems and easy Modbus TCP/IP integration, the BadESS Surge gives you full control of your BESS, anywhere, anytime.

\*Depending on load profile, temperatures, and C-rate.

We retain the right to make technical modifications. The values, outputs, technical data, and images provided in this document are intended as approximate guidelines.



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