

Power That Dominates

Model	BadESS Surge
Weight	1300kg
Dimensions (L x W x H)	1250 x 800 x 2000 mm
Connection	Power cables & CAT6
Grid integration	AC coupled / DC coupled on request
Ambient temperature range	-25 ~ 40 °C
Protection degree	IP54
Applications	EV charging station, balancing markets



BadESS Surge

Stacked Specifications

Number of units	1 cabinet	5 cabinets
Nominal capacity	131kWh	655kWh
Available capacity	105kWh	525kWh
Max / Nominal AC power	300kW / 250kW	1500kW / 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	HVAC
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
Cycle life	>3000 @80% DoD
Max charge current	130A
Cell discharge	105kWh 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
Warranty	2-year general warranty / 3000 cycles or 5 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 131kWh capacity and 300kW output, 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.

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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