

# All-in-one Energy Storage System Datasheet

BR-AIO-LV

10.24KWH\_15.36KWH\_20.48KWH\_25.6KWH



10.24KWH



15.36KWH



20.48KWH

## Features

CE

MSDS

UN38.3

### Reassuring Foundation

Adopted the most stable and safe lithium iron phosphate (LiFePO4) battery

### High Cost Performance

More than 6000 cycles, 10 years service life, providing long-term energy for your home

### High Safety

Build-in BMS, protection functions of discharge, over charge, over current, high temperature and low temperature

### Arbitrary Extension

The same capacity of the battery can be freely expanded to meet the electricity demand in an all-round way

### All in Control

Equipped with RS232/ RS485/ CAN bus ports, the most important with bluetooth and WIFI function

### Perfect Match

Compatible with inverters of most main stream brands on the market

Model	BR-AIO-LV 10.24KWH	BR-AIO-LV 15.36KWH	BR-AIO-LV 20.48KWH	BR-AIO-LV 25.6KWH
<b>Main Parameter</b>				
Nominal Energy	10240Wh	15360Wh	20480Wh	25600Wh
Round-Trip Efficiency	5KW			
Weight	132KG/150KG (with packing)	182KG/203KG (with packing)	232KG/255KG (with packing)	282KG/307KG (with packing)
Dimensions(L/W/H)	550x500x635mm	550x500x795mm	550x500x955mm	550x500x1115mm
Warranty	10 Years			
<b>Electrical Parameter</b>				
Nominal Voltage	51.2V			
Nominal Capacity	200Ah	300Ah	400Ah	500Ah
Wheels	Removable			
Number of battery module	2pcs pack	3pcs pack	4pcs pack	5pcs pack
Recommended Charge Voltage	56V-57.6V			
BMS Charge Voltage Cut-Off	58.4V (3.65±0.025vpc)			
Reconnect Voltage	54.6V (3.34 ±0.05vpc)			
Case Material	Metal			
Enclosure Protection	IP55			
Maximum Continuous Discharge Current	100A			
Discharge Temperature	-20 to 60°C (-4 to 140 °F)			
Charge Temperature	0 to 45°C (32 to 113 °F)			
<b>General Parameter</b>				
Cycle Life	≥6000 Times (80% DOD)			
Display	SOC Status Indicator, LED Indicator			
Communication	RS485, RS232, CAN			
Charge Temperature Range	0°C~60°C (Under 0°C extra heating mechanism)			
Discharge Temperature Range	-20°C~60°C (Under 0°Cwork with reduced capacity)			
Storage Temperature Range	-40°C~55°C @ 60%±25% relative humidity			
Compatible Inverters	Victron, Pylon, Deye, SMA, Growatt, Goodwe, MPP, Voltronicpower, Pchne, Sofarsolar, Megarevo, Tbbpower, ARUN, Schneider Etc			

\* Compatible tests with different brands of inverter are continuously, updates will be periodically.

\*\* Under specific test conditions.