

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
Main Parameter				
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			
Electrical Parameter				
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)			
General Parameter				
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.