

All in one Energy Storage system Datasheet

BR-AIO-LV-SR 11KWH+10KW



CE

MSDS

UN38.3

Features

All-in-One Design

The system combines a single-phase 5 kW hybrid inverter with an expandable battery, simplifying installation and saving space

Easy Installation

The flat and stackable design making installation quick and hassle-free.

Smart Applications

Benefit from advanced features such as peak shaving, smart load management, and AC coupling, optimizing your energy usage and reducing costs.

User-Friendly Control

Easily monitor and control the system via App, PC, or Display.

Energy Security

Fast switching time of 10 ms, the Energy Storage System ensures a reliable and uninterrupted power supply for your home.

Modular and Scalable Battery

The lithium iron phosphate battery offers a capacity range of 10 kWh to 40 kWh, ensuring flexibility and safety. Expand your storage capacity as your energy needs grow.

Model	BR-AIO-LV-SR 11KWH+10KW
Nominal Voltage(V)	51.2
Nominal Capacity(Ah)	200/230
Usable Capacity(Wh)	10240/11776
Dimension(mm)	610*250*1410
Weight(Kg)	165
Cycle Life	≥6000@ 25 C
Working Temperature °C	20~55
Charging Temperature °C	0 C ~45 C
Charge Voltage(V)	43.2~57.6
Internal Impedance(mΩ)	≤20
Charge / Discharge Current (A)	charge:100 discharge:100
PV INPUT	
Num. of MPP Trackers	2
Max. PV array Power	5,500W+5,500W
Max. input Current	22A+22A
Max.Voltage of Open Circuit	500Vdc+500Vdc
MPPT Voltage Range	125~425Vdc+125~425Vdc
MAINS/GENERATORINPUT	
Input Voltage Range	90~275Vac
Frequency Range	50/60Hz
Bypass Overload Current	63A
INVERTER OUTPUT	
Rated Output Power	10,000W
Max. Peak Power	15,000W
Rated Output Voltage	230Vac (single-phase)
Load Capacity of Motors	6HP
Rated AC Frequency	50/60Hz
Waveform	Pure Sine Wave
Switch Time	10ms (typical)
Parallel capacity	1~6 units (single-phase/three-phase)