

All-in-one Energy Storage System Datasheet

BR-AIO-LV-DY 10.24KWH+5KW



Features

CE

MSDS

UN38.3

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, comes with a moveable base 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 4 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-DY 10.24KWH+5KW
Nominal Voltage(V)	51.2
Nominal Capacity(Ah)	200/230
Usable Capacity(Wh)	10240/11776
Dimension(mm)	800*650*680
Weight(Kg)	160
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 StringInput Data	
Max. DC input Power	6500W
Rated pv Input Voltage	370V(125v-500w)
Start-up Voltage	125V
MPPT Voltage Range	150V-425V
Full Load DC Voltage Range	300V-425V
Pv input Current	13A+13A
Max.PV ISC	17A+17A
No.of MPp Trackers	2
No.of Strings per MPp Tracker	1
AC Output Data	
Rated AC Output and UPS Power	5000W
Max. AC Output Power	5500W
AC Output Rated Current	22.7A/21.7A
Max. AC Current	25A/23.9A
Max, Continwous AC Passthrough	35A
Peak Power (off grid)	2 time of rated power,10 S
Power Factor	0.8 leading to 0.8 lagging