



**NEW!**

# BAOBAB PRO-10

All-In-One Residential ESS (On/Off grid)

Max. 6000W

9.15 Kwh Capacity

48VDC



## Key Features

- All-In-One system design
- Eliminate your outage anxiety
- More cost efficient than ever
- Compact size, space saving
- 10 ms smooth power backup
- Plug & Play



## Multifunctional Control Unit





# Specification

## System Specification

Rated Energy	9.15 Kwh (95% DOD)
Nominal Voltage	48 VDC
IP Protection	IP54 (Battery System is IP65)
Dimension (W x D x H)	670 × 330 × 1100 mm
Weight	125 Kg
Operating Temperature Range	-10 °C ~ 50 °C*
Designed Cycle Life	≥6000*
Connection Operation	Up to 9 units in Parallel
Charging Time	2 Hours
Charge/Discharge Rate	0.5C

\* When the temperature is below 0 °C or above 40 °C, the performance will be limited.

\* 6000 life cycle takes approximately 10 years for daily use. 10 year warranty.

## Inverter Technical Specification (On/Off-grid)

Max. PV Input Power	9000 W
Max PV Input voltage	550 V
Max input current (input A/input B)	15 A/15 A
Max short current (input A/input B)	20 A/20 A
Start operating voltage	90V
MPPT Voltage Range	70~540 VDC
No.of MPPT trackers	2
String per MPP tracker	1
Nominal Output Power(Grid/Back up)	6000 W
Rated Frequency	50 / 60 Hz
Rated Voltage	230 VAC
Phase	Single-Phase
Backup	10ms (typ) / 20ms (max)
Humidity	0% to 100%

## Recommended PV module configuration\*

PV Module Spec (reference)	Total solar input power	Solar input	Q'ty of modules
	3850W	7 pieces in series, input 1 tracker	7
Maximum Power (PmaxI): 550W	4400W	8 pieces in series, input 1 tracker	8
Max. Power Voltage Vmpp(V): 41.3 V	4950W	9 pieces in series, input 1 tracker	9
Max. Power Current Impp(A): 13.08 A	5500W	10 pieces in series, input 1 tracker	10
Open Circuit Voltage Voc(V): 49.2 V	6600W	6 pieces in series, 2 strings input 2 tracker	12
Short Circuit Current Isc(A): 13.90 A	7700W	7 pieces in series, 2 strings input 2 tracker	14
	8800W	8 pieces in series, 2 strings input 2 tracker	16

\*This configuration is only for reference as rooftop or solar condition may vary due to different application environment. Contact your service supplier for optimized solution.



**JK ENERGY**