

## BEP BATTERY

5 / 10 / 15 kWh



The BEP Battery is a premium electricity system bringing efficiency and cutting edge technology in the form of an electric energy storage device. This battery produces stable 230 vdc direct currents to support modern electricity needs. Equipped with a high-performance converter, the BEP Battery generates quality electricity that ensures optimal conduct and prolongs the lifespan of your appliances. Designed to reduce your dependence on electrical networks, the BEP Battery also helps to conserve energy, provide comfortable lighting for your eyes, and allows you to have full control of your energy sources.

Available in 5/10/15 kWh capacities, the BEP Battery presents reliability with zero downtime, making it the ideal solution for residences, offices, banks, hospitals, data centers, and telecommunication BTS.



















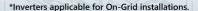




## **SPECIFICATIONS**

## **General Parameters**

Model	BEP 5 kWh	BEP 10 kWh	BEP 15 kWh
System Power (kW/kWh)	3 kW/5.376 kWh	3 kW/10.752 kWh	3 kW/14.336 kWh
Cooling Method	3 KVV/3.370 KVVII	Nature	3 KVV/14.330 KVVII
Battery Parameters		Nature	
Rated Battery Capacity	5.376 kWh	10.752 kWh	14.336 kWh
Rated System Voltage	51.2V	51.2V	51.2V
Cycle Life			
•	4000 Cycle, 25 °C 6000 Cycle, 25 °C 8000 Cycle, 25 °C		
Battery Type	Lithium Iron Phosphate Battery (LFP)		
Cell Capacity	105Ah	210 Ah	280Ah
Max. Charge/Discharge Current	50 A	100A	250 A
Expantion Paralel	Up to 16 unit in paralel		
Depth of Discharge (%)	90%		
Storage Temperature	0 - 35 °C		
OC Parameters			
Rated DC Power	3 kW		
Nominal DC Current Rating	13 A		
Rated DC Voltage	110 Vdc/230Vdc		
DC Side Voltage Range	110 - 330 Vdc		
THD	<3% (Rated Power)	<3% (Rated Power)	<3% (Rated Power)
Power Factor Adj.	1 Ahead ~ +1 Behind	1 Ahead ~ +1 Behind	1 Ahead ~ +1 Behind
Seneral Parameters			
Protection Level	IP54		
Fire Protection	Aerosols / Perfluorohexanone / Heptafluoropropane		
Isolation Method	Non-isolated (Optional Transformer)		
Operating Temp	-25°C ~ 60°C (<45°C derating)		
Altitude	3000m (>3000m Derating)		
Comm. Interface	RS485 / CAN2.0 / Ethernet / Dry contact		
Monthly Self-discharge	≤ 3%/month		
Humidity	≤ 60% ROH		
Waranty	5 Years		10 Years
Design Life	10 Years		15 Years
Dimensions (L×W×H)	530 mm x 240 mm x 680 mm	530 mm x 240	mm x 975 mm
Weight (Approx)	70 kg	110 kg	135 kg
iolar Charge Controller Parameters	i i		
Input Power System	48Vdc		
Charging Technology	MPPT/PWM		
Battery Voltage Range	9-60 Vdc		
Rate Charging Current	Max 50A	Max 100A	Max 250A
Max PV Power	100kW	100kW	100kW









Bima Eco Power



