

## Premium Electricity Solution.

Resilient, Stable,  
Healthy, Economical

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.



Utilizing the  
**WORLD'S ONLY  
DC CONVERTER  
TECHNOLOGY**



Operates on  
**GRADE A  
LiFePO4**  
Battery Cells



**>6000 CYCLES**  
at 90% Depth of Discharge



**PRACTICAL AND  
MODULAR DESIGN**



**VPP- READY**  
(Virtual Power Plant)  
Technology



**VARIETY**  
Of colours and capacities to suit  
your needs.



**SAVES 60%**  
On energy bills when  
combined with Solar PVs



**EXTENDS APPLIANCE  
LIFESPAN BY >25%**



**5+5 WARRANTY**  
5 year warranty with options to  
extend another 5 years further

# 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	Nature		
Battery Parameters			
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		
DC 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
General 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
Solar Charge Controller Parameters			
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

\*Inverters applicable for On-Grid installations.



website

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