



# GARUDA GREEN SOLUTIONS

BESS



**Contact:**

**Garuda Power Pvt. Ltd.**

**Ph: +91 9434009385 / +91 9934305658**

**Email- [gppl@garudapower.com](mailto:gppl@garudapower.com)**

**Asansol,  
West Bengal**





## Special Features

- The BESS is engineered to get the best power to weight Ratio
- Modular design increases the ease of service and replacement of damaged
- Units only at low cost.
- Charging with 220V making it relatively safer.
- Deep discharge permissible up to 80%
- Charging period would be 1/3rd of the discharge period. Can be bettered if required
- Battery Life – 3000 Cycle (at 0.2C/0.2C charge/discharge, 70%EoL, 80%DoD, 25 Degree C)
- BESS can be moved easily from one location to another on customised trolley or truck
- Warranty – 5 Years on Battery & 1 Year on rest of the equipment
- Customized solution as per required load & back-up time

## Product Features

- 100 Ah 48 V Modular Li-Fe Battery
- Power – 4.8 kWh
- 20 Amp 48 V battery charger – individual charger for each battery
- Suitable DC/ AC convertor

## Battery Management System (BMS) Protections:

- Over Charge
- Over Discharge
- Over Current
- Over Voltage
- High/Low Temperature
- Short Circuit
- Reverse Polarity

## Other features:

- System Reset Button
- Communication interface
- Operation Status LED
- Failure Display LED

## Weight & Dimensions

- 1220 X 1220 X 915 mm (L X W X H)
- 48 X 48 X 36 inches (L X W X H)
- Less than 500 kg. for every 42 kWh

## Enclosure:

- Enclosure frame made of light steel pipes
- Exterior covered with Aluminum sheet to ensure low degradation & high life, sealed to avoid any water ingress
- Rugged construction to withstand rough terrain of mines & frequent movement for charging
- Lifting hooks on four side for easy lifting

## BESS options available with us.

**10kWh to 200kWh with Li-Fe batteries with customization as required.**