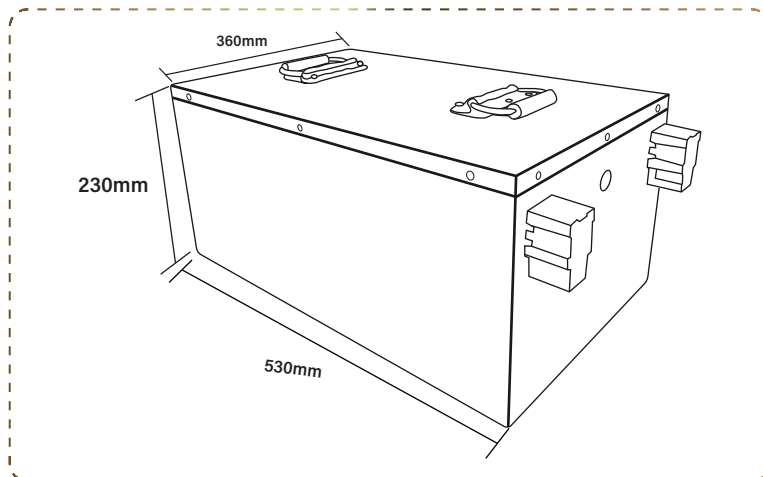


## PBG-48-150-H



### LITHIUM BATTERY

#### Strong Advantages

- 6 Years Warranty
- Replacement of lead-acid battery
- Lighter weight and easier to handle
- Lithium iron phosphate is more stable
- Maximum service life of over 6000 cycles
- Long-lasting modular construction
- Screw opening, perfect crafted internal structure design

### ELECTRIC HEATING FILM

- Some of the Perfektium lithium batteries are equipped with heating films. You can use the battery in temperatures as low as -35 degrees Celsius when acting the heating films
- The heating film is an IP material and the heating effect is even
- The heating films do not consume any power from the battery itself

### BMS

#### Battery Management System

The BMS monitors and controls the individual cells of each

### BLUETOOTH 4.0 INTEGRATED

#### Multiple Battery Monitoring Function

Perfektium Pro APP can monitor up to 8 batteries at the same time. The SOC, voltage, current, temperature, available time of the batteries can be detective.





## Specification

| Items                                  | Characteristics                               |
|----------------------------------------|-----------------------------------------------|
| Model                                  | 51.2V 150Ah/7680Wh                            |
| Replaces Gel-AGM battery               | 51.2V 300Ah                                   |
| Cell type                              | Prismatic cell                                |
| Dimension with terminals (L x W x H)   | 530*360*230mm                                 |
| Weight (No Accessories)                | 62.6kg                                        |
| Cycle Life                             | >6000@80%D.o.D                                |
| Internal Resistance                    | ≤14 mΩ                                        |
| Recommended Charge Voltage             | 51.2V                                         |
| Float Charge Voltage (For standby use) | 55.2±0.8V                                     |
| Recommended Charge Current             | 30A                                           |
| Max Charge Current                     | 200A                                          |
| Continuous Discharge Current           | 200A                                          |
| Peak Discharge Cut-Off Current         | 600A (200~500ms)                              |
| Operating Voltage Range                | 40 - 58.4V                                    |
| End of Discharge Voltage Range         | 40 - 44.8V                                    |
| Terminal Type                          | M8                                            |
| Ingress Protection Code                | IP54                                          |
| Charge Temperature                     | 0°C~45°C                                      |
| Discharge Temperature                  | -20°C~60°C                                    |
| Storage Temperature                    | 0°C~40°C                                      |
| Heater Operating Temperature           | -35~5°C                                       |
| Storage Condition                      | Charging the battery every 3 months           |
| Series & Parallel Availability         | Only 4 parallel at most                       |
| Certifications                         | CE/UL/UN38.3/MSDS/ROHS/UN 3480/CLASS9/ECE R10 |