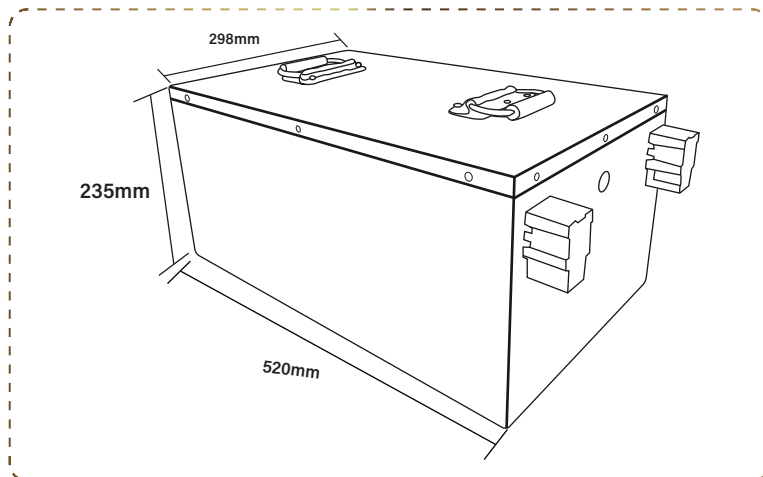


PBG-48-105H-PRO



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 battery and protects them from damage, such as overload

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 105Ah/5376Wh |
| Replaces Gel-AGM battery | 51.2V 210Ah |
| Cell type | Prismatic cell |
| Dimension with terminals (L x W x H) | 520*298*235mm |
| Weight (No Accessories) | 47,2kg |
| Cycle Life | >6000@80%D.o.D |
| Internal Resistance | ≤14 mΩ |
| Recommended Charge Voltage | 58.4V |
| Float Charge Voltage (For standby use) | 55.2±0.8V |
| Recommended Charge Current | 20A |
| Max Charge Current | 150A |
| Continuous Discharge Current | 200A |
| Peak Discharge Cut-Off Current | 300A(10S) |
| 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 |