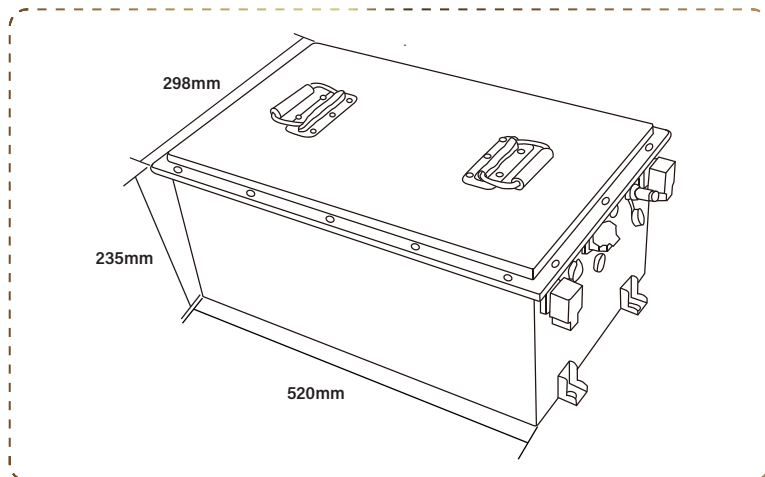


PBG-48-105-H



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

BMS

Battery Management System

The BMS monitors and controls the individual cells of a battery and protects them from damage, such as overload and overvoltage

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	$\leq 15 \text{ m}\Omega$ @ 50% SOC
Recommended Charge Voltage	51.2V
Float Charge Voltage (For standby use)	55.2 $\pm$ 0.8V
Recommended Charge Current	20A
Max Charge Current	150A
Continuous Discharge Current	150A
Peak Discharge Cut-Off Current	450A (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
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