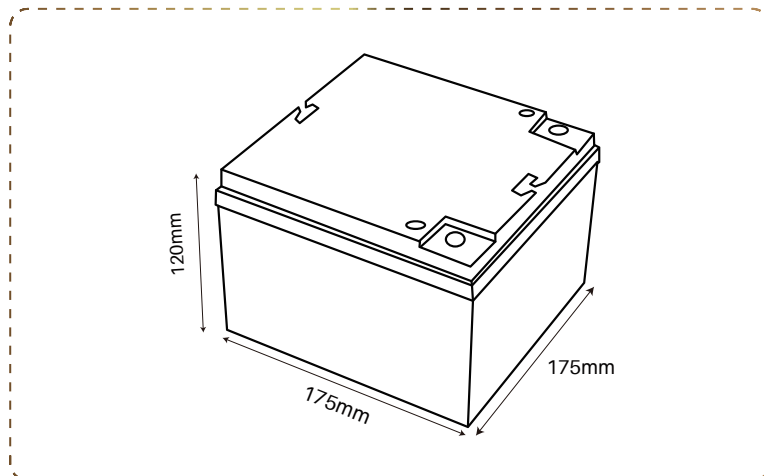


## PB-12-27



### • 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 detected.





## Specification

Items	Characteristics
Model	12.8V 27Ah/345Wh
Replaces Gel-AGM battery	12.8V 54Ah
Cell type	Prismatic cell
Dimension with terminals (L x W x H)	175*175*120mm
Weight (No Accessories)	3.6kg
Cycle Life	>6000@80%D.o.D
Internal Resistance	≤5.0 mΩ
Recommended Charge Voltage	14.6V
Float Charge Voltage (For standby use)	13.8±0.8V
Recommended Charge Current	5.4A
Max Charge Current	27A
Continuous Discharge Current	135A
Peak Discharge Cut-Off Current	300A 2s / 200A 7s
Operating Voltage Range	10 - 14.6V
End of Discharge Voltage Range	10 - 11.2V
Terminal Type	M6
Ingress Protection Code	IP65
Charge Temperature	0~45°C
Discharge Temperature	-10~60°C
Storage Temperature	-5~35°C
Storage Condition	Charging the battery every 3 months
Series & Parallel Availability	Maximum 4 pcs in series and 4 pcs in parallel
Certifications	CE/UL/UN38.3 /MSDS /ROHS/UN 3480/ CLASS9/ECE R10