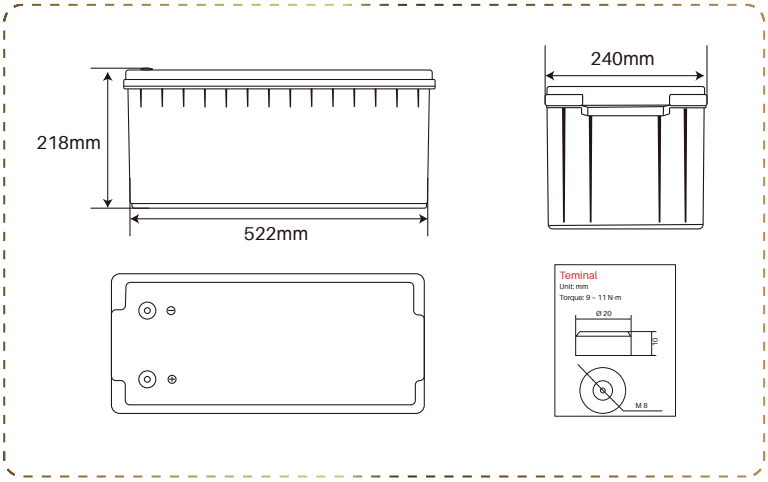
PERFEKTIUM

Lithium Batterie

6 Jahre Garantie PERFEKTIUM

PB-36-100H



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

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.

ELECTRIC HE

- 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 and overvoltage

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Specification

Items	Characteristics
Model	38.4V 100Ah/ 3840Wh
Replaces Gel-AGM battery	38.4V 200Ah
Cell type	Prismatic cell
Dimension with terminals (L x W x H)	522*240*218mm
Weight (No Accessories)	31,25Kg
Cycle Life	>6000@80%D.o.D
Internal Resistance	≤10 mΩ
Recommended Charge Voltage	43.8V
Float Charge Voltage(For standby use)	27.6±0.8V
Recommended Charge Current	20A
Max Charge Current	50A
Continuous Discharge Current	150A
Peak Discharge Cut-Off Current	500A±60A (250±1000 ms)
Operating Voltage Range	30 - 43.8V
End of Discharge Voltage Range	30 - 33.6V
Terminal Type	M8
Ingress Protection Code	IP65
Charge Temperature	0~50°C
Discharge Temperature	-20~75°C
Storage Temperature	-5~35°C
Heater Operating Temperature	-35~5°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

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