

Perfektium LiFePO4 Battery 12.8V 100Ah



● 4 Power Indicator



● Terminal Communication Interface



● Reset Button



● Screw Opening



● LITHIUM BATTERY

Meet Your Needs

- UL standard
- 6 Years Warranty
- Directly eliminate lead-acid battery
- Lighter weight and easier to handle
- Lithium iron phosphate is more stable
- Maximum service life of over 4000 cycles
- Long-lasting modular construction
- RS485 communication interface
- Screw opening, perfect crafted internal structure design
- Electric heating film patented technology

● ELECTRIC HEATING FILM

Patented Technology

- All the Perfektium lithium batteries with heating module, up to -35 degrees
- The heating film is an IP material and the heating is even
- BMS has a heating control function, to ensure that the battery itself is not consumed

● BMS

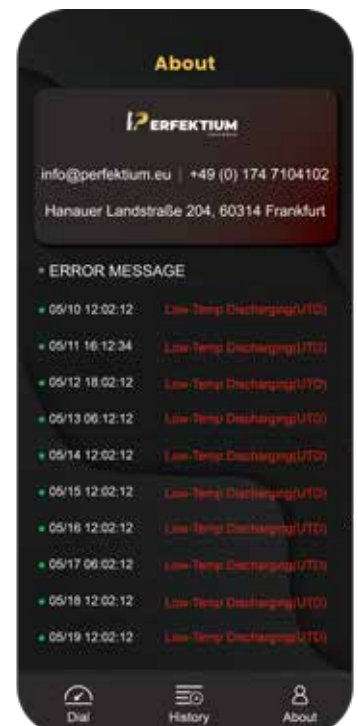
Battery Management System

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

● BLUETOOTH

Integrated Bluetooth 4.0 Monitoring

- Most precise charge status display
- Switch function to control charging and load
- The compatible with simultaneous connection of multiple batteries
- Real-time monitoring of all batteries, presenting the overview data of each battery



Perfektium LiFePO₄ Lithium Battery 12.8V 100Ah

Items		Characteristics
Normal capacity		100Ah
Nominal energy		1280Wh
Nominal voltage		12.8V (LFP-4S4P)
Cell		Prismatic Module
Charge Characteristic		CCCV / IU
Cycle Life		≥4000 @ 90% DoD
Internal resistance		≤20mΩ @1kHz AC
Normal charge voltage		14.6V
Float charge voltage(For standby use)		13.8±0.2V
Allowed MAX charge current		100A @ 25±5°C
Recommended charge current		≤50A
Allowed MAX discharge current		150A @ 25±5°C
Peak Discharge Cut-Off (3.5s)		300A
End of discharge voltage		10.2V
Terminal Communication Interface		RS485
Monitoring		Bluetooth 4.0 Mit Smartphone APP
Dimension (L×W×H) in MM		318 x 165 x 240
Weight (No accessories)		10Kg
Operation temperature	Charge(Recommend)	-20 ~ 55°C
	Discharge	-35 ~ 60°C
Self-discharge rate	Residual capacity	≤3%/Month; ≤15%/Year
	Recover capacity	≤1.5%/Month; ≤8%/Year
Storage environment	≤1month	-35 ~ 60°C 5 ~ 75%RH
	≥3month	-10 ~ 45°C 5 ~ 75%RH
	Recommend environment	15 ~ 35°C 5 ~ 75%RH
Bluetooth APP		Perfektium
Series & Parallel		4 series or 4 parallel at most