

## Perfektium LiFePO4 Battery 12.8V 200Ah



• 4 Power Indicator

Reset Button •



• Terminal Communication Interface

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

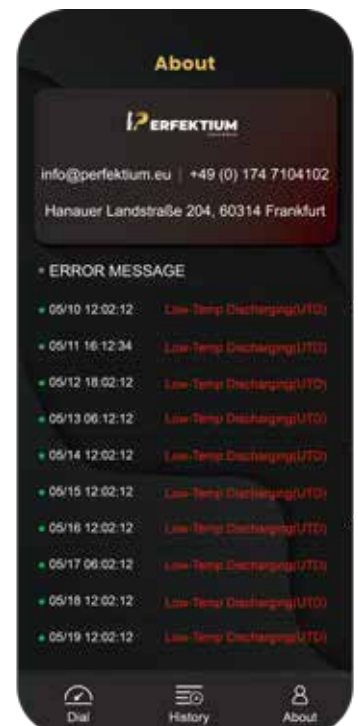
#### Battery Management System

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 LiFePO<sub>4</sub> Lithium Battery 12.8V 200Ah

| Items                                 |                       | Characteristics                  |
|---------------------------------------|-----------------------|----------------------------------|
| Normal capacity                       |                       | 200Ah                            |
| Nominal energy                        |                       | 2560Wh                           |
| 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            |                       | 150A @ 25±5°C                    |
| Recommended charge current            |                       | ≤100A                            |
| Allowed MAX discharge current         |                       | 200A @ 25±5°C                    |
| Peak Discharge Cut-Off (3.5s)         |                       | 400A                             |
| End of discharge voltage              |                       | 9.6-11V                          |
| Terminal Communication Interface      |                       | RS485                            |
| Monitoring                            |                       | Bluetooth 4.0 Mit Smartphone APP |
| Dimension (L×W×H) in MM               |                       | 505 x 172 x 255                  |
| Weight (No accessories)               |                       | 27Kg                             |
| 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   |