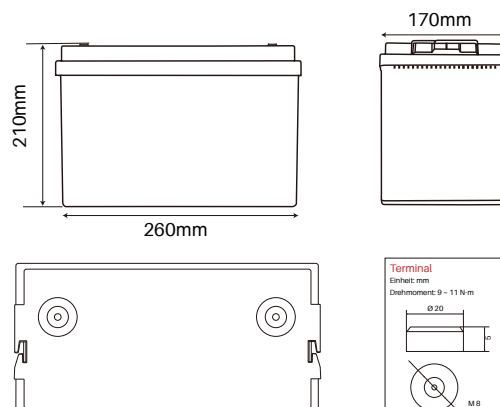


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## Strong Advantages

- 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

## Battery Management System

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



## 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                                  | 12.8V 100Ah/1280Wh                                  |
| Replaces Gel-AGM battery               | 12.8V 200Ah                                         |
| Cell type                              | Prismatic cell                                      |
| Dimension with terminals (L x W x H)   | 260*170*210mm                                       |
| Weight (No Accessories)                | 9.9Kg                                               |
| Cycle Life                             | >6000@80%D.o.D                                      |
| Internal Resistance                    | ≤7 mΩ                                               |
| Recommended Charge Voltage             | 14.6V                                               |
| Float Charge Voltage (For standby use) | 13.8±0.8V                                           |
| Recommended Charge Current             | 30A                                                 |
| Max Charge Current                     | 50A                                                 |
| Continuous Discharge Current           | 150A                                                |
| Peak Discharge Cut-Off Current         | 450A (200~500ms)                                    |
| Operating Voltage Range                | 10 - 14.6V                                          |
| End of Discharge Voltage Range         | 10 - 11.2V                                          |
| Terminal Type                          | M8                                                  |
| Ingress Protection Code                | IP65                                                |
| Charge Temperature                     | 0~50°C                                              |
| Discharge Temperature                  | -20~75°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/<br>CLASS9/ECE R10 |