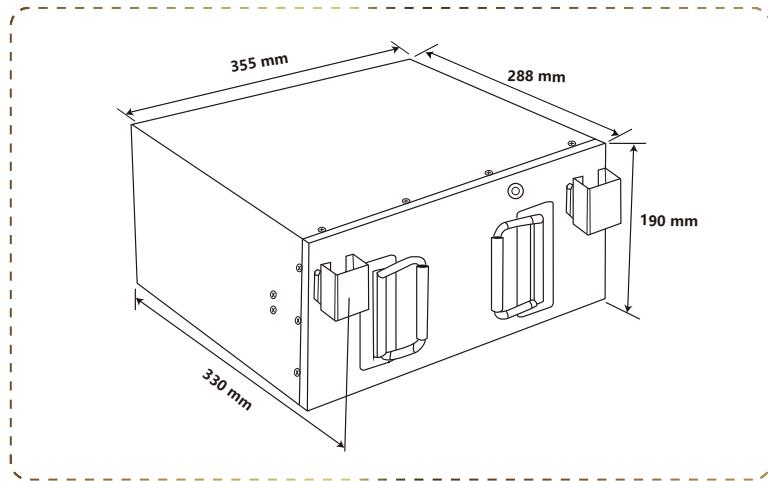


# PF-Underseat-12-310H



## • 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 HEATING FILM

- 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



## Specification

| Items   | Characteristics   |
|---|---|
| <b>Model</b>                                  | <b>12.8V 310Ah/3968Wh</b>                               |
| <b>Replaces Gel-AGM battery</b>               | <b>12.8V 620Ah</b>                                      |
| <b>Cell type</b>                              | <b>Prismatic cell</b>                                   |
| <b>Dimension with terminals (L x W x H)</b>   | <b>355*288*190mm</b>                                    |
| <b>Weight (No Accessories)</b>                | <b>30,1Kg</b>   |
| <b>Cycle Life</b>                             | <b>&gt;6000@80%D.o.D</b>                                |
| <b>Internal Resistance</b>                    | <b><math>\leq 7 \text{ m}\Omega</math></b>              |
| <b>Recommended Charge Voltage</b>             | <b>14.6V</b>  |
| <b>Float Charge Voltage (For standby use)</b> | <b><math>13.8 \pm 0.8\text{V}</math></b>                |
| <b>Recommended Charge Current</b>             | <b>90A</b>  |
| <b>Max Charge Current</b>                     | <b>155A</b>   |
| <b>Continuous Discharge Current</b>           | <b>300A</b>   |
| <b>Peak Discharge Cut-Off Current</b>         | <b>600A (200~500ms)</b>                                 |
| <b>Operating Voltage Range</b>                | <b>10 - 14.6V</b>                                       |
| <b>End of Discharge Voltage Range</b>         | <b>10 - 11.2V</b>                                       |
| <b>Terminal Type</b>                          | <b>M8</b>   |
| <b>Ingress Protection Code</b>                | <b>IP62</b>   |
| <b>Charge Temperature</b>                     | <b>0~50°C</b>   |
| <b>Discharge Temperature</b>                  | <b>-20~75°C</b>   |
| <b>Storage Temperature</b>                    | <b>-5~35°C</b>  |
| <b>Heater Operating Temperature</b>           | <b>-35~5°C</b>  |
| <b>Storage Condition</b>                      | <b>Charging the battery every 3 months</b>              |
| <b>Series &amp; Parallel Availability</b>     | <b>Maximum 4 pcs in series and 4 pcs in parallel</b>    |
| <b>Certifications</b>                         | <b>CE/UL/UN38.3 /MSDS /ROHS/UN 3480/ CLASS9/ECE R10</b> |