

## IA-12-310H

### • LITHIUM BATTERY

#### Strong Advantages

- 3 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



### • 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.

### • ELECTRIC HEATING FILM

- Some of the Idealakku 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

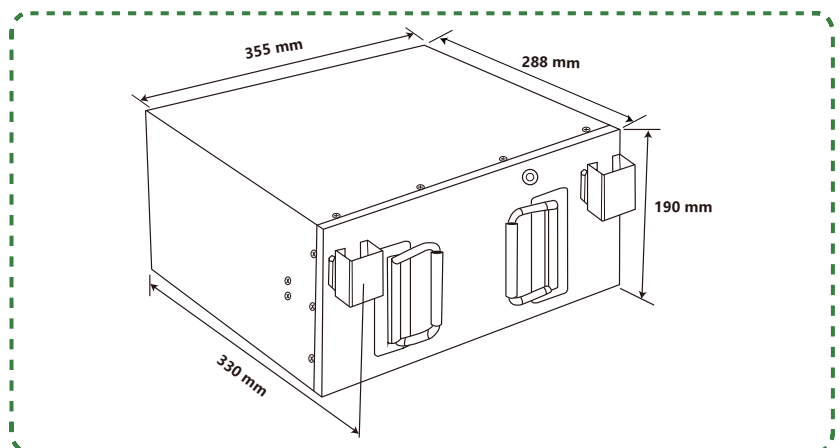
#### BLUETOOTH 4.0 INTEGRATED



Android



iOS



# IDEALAKKU SPECIFICATION SHEET

## Specification

| Items                                 | Characteristics                               |
|---------------------------------------|-----------------------------------------------|
| Model                                 | 12.8V 310Ah/3968Wh                            |
| Replaces Gel-AGM battery              | 12.8V 620Ah                                   |
| Cell type                             | Prismatic cell                                |
| Dimension with terminals (L x W x H)  | 355*288*190mm                                 |
| Weight (No Accessories)               | 30.1Kg                                        |
| 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            | 90A                                           |
| Max Charge Current                    | 155A                                          |
| Continuous Discharge Current          | 300A                                          |
| Peak Discharge Cut-Off Current        | 600A (200~500ms)                              |
| Operating Voltage Range               | 10 - 14.6V                                    |
| End of Discharge Voltage Range        | 10 - 11.2V                                    |
| Terminal Type                         | M8                                            |
| Ingress Protection Code               | IP62                                          |
| 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/<br>UN 3480/CLASS9   |