**GRP Intess Marine Graphene Power**

**Introducing the GRP Intess Marine Series: Revolutionary Graphene Power Batteries Enhanced with Smart Battery Management, Engineered by GRP Battery.**

**The Intess Marine graphene power battery represents a quantum leap in energy storage technology, meticulously crafted to cater to the specific demands of yachts and vessels. This exceptional battery harnesses the extraordinary capabilities of graphene to provide a continuous and reliable power source for all your onboard equipment.**

**With its exceptional fast-charging capabilities, the Graphene Power battery ensures a consistent supply of backup power. A brief recharge is all it takes to keep your equipment operating seamlessly throughout the day.**

**In stark contrast to conventional lead-acid or lithium batteries, the Graphene Power Battery offers significant advantages. It is notably lighter, boasts an extended lifespan of up to 20,000 cycles, and comes with an impressive 15-year warranty. Moreover, it requires no maintenance, presenting a hassle-free solution for your energy storage needs.**

**GRP offers an extensive selection of graphene power batteries, catering to various equipment sizes and voltage specifications:**

* **Voltage Range: 12 to 48 Volts**
* **Power Output: 10 to 60KW**

**Installing the Intess Marine graphene battery in your yacht or vessel is a straightforward process. It includes an integrated inverter to meet your power requirements seamlessly. Additionally, the battery management system effortlessly integrates with solar energy panels, providing a comprehensive energy solution.**

**The GRP Intess Marine Graphene battery stands as the ultimate solution to ensure uninterrupted and enduring equipment operation, setting new standards for efficiency and reliability in the maritime industry.**

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SUPER CAPACITOR MODULE TECHNICAL DATA SHEET

Part Number: 25.6V30KWH | Version Date: September 2023

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| **Part Number** | **25.6V30KWH** |
| Usable Energy | 30KWh |
| Cell Type | super capacitor battery |
| Rated Voltage | 25.6V/DC |
| Maximum Charge Voltage | 29.2V/DC |
| Discharge Cut-off Voltage | 20.5V/DC |
| Dimensions (WxDxH) | 920×480×390mm |
| ESR/AC @1KHz | <10mΩ |
| Max. Continuous Charge Current | 600A |
| Max. Continuous Discharge Current | 1200A |
| Weight | 240Kg |
| Discharge Temperature | -10℃~+60℃ |
| Charge Temperature | 0℃~+65℃ |
| Cooling Method | Natural cooling |
| Operating Humidity | 0~90% RH Non-condensing |
| Cells Self-discharge Rate | 2% per month |
| Projected Cycle Life ( 25℃) | 20,000 times |
| Recommended Depth of Discharge | ≤ 90% |
| Maximum Depth of Discharge | 100% |
| Shell Material | Metal |
| Monitoring Data | Module voltage,SOC |
| Shelf Life | 5 years |
| IP Grade | IP65 |
| Storage Conditions | -10℃~+45℃ 25% ~ 95%RH  SOC>30%，one full charge needed per two months |
| Certificates Compliant | CE:EN 62133:2013, EN 55032:2015+AC:2016, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013 |

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