**RENOGY ONE CORE**

Renogy ONE Core provides a comprehensive solution for energy monitoring and analysis, enabling users to monitor and analyze energy data at any time. Thanks to the ONE Connect 2.0 technology, Renogy ONE Core allows energy monitoring both locally through the in-built screen and remotely via Renogy ONE Portal and DC Home app. Additionally, the ONE Core features an RV leveling system for optimal stability and can function as a smart home hub, seamlessly connecting with other smart home appliances.

**KEY FEATURE**

- **24/7 Energy Analysis:** Monitor and analyze energy data anytime.

- **WorldWide Monitoring:** Remote energy monitoring anywhere through ONE Connect 2.0

- **Built-in RV Leveling:** Effortlessly adjust your RV's position to achieve optimal stability and comfort.

- **Smart Home Integration:** Function as a central hub for your smart home, seamlessly connecting and controlling all your smart home appliances.

- **Easy Installation:** Simple setup process that ensures the device is perfectly level, eliminating the need for repeated adjustments.

- **Over-the-Air (OTA) Updates:** Stay up to date with the latest features and improvements through continuous over-the-air updates.
# TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Renogy ONE Core</th>
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<tr>
<td><strong>Model Name</strong></td>
<td>RSHCWSN-W02W-G1</td>
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| **Operating Voltage** | Power Port: 8 to 60 VDC  
USB Type-C: 5 VDC |
| **Power Consumption at 12 V** | Operating, Wi-Fi On, 100% illumination: 3.2 W  
Operating, Wi-Fi On, 50% illumination: 2.4 W  
Operating, Wi-Fi On, 0% illumination: 1.9 W  
Screen off, Wi-Fi Off, logs still active: 1.5 W |
| **Power Consumption at 5 V** | Operating, Wi-Fi On, 100% illumination: 2.9 W  
Operating, Wi-Fi On, 50% illumination: 2.3 W  
Operating, Wi-Fi On, 0% illumination: 1.7 W  
Screen off, Wi-Fi Off, logs still active: 1.3 W |
| **Communication** | Wi-Fi (IEEE 802.11b/g/n 2.4 GHz)  
Bluetooth LE and Bluetooth Mesh  
Zigbee 3.0 (IEEE 802.15.4)  
RS-485 |
| **Touch Screen** | 4 in (480 x 480p) |
| **Leveling Range and Accuracy** | ±89°, 0.1° |
| **Operating Temperature** | -4 °F to 158 °F (-20 °C to 70 °C) |
| **Operating Humidity** | 0% to 95% RH |
| **Operating Altitude** | Less than 16,404 ft (5000m) |
| **Installation** | Flush mount or place on a table |
| **Dimensions** | 4.17 x 4.17 x 1.05 in (106 x 106 x 26.6 mm) |
| **Weight** | 0.28 lb (128g) |
| **Certifications** | FCC, CE, TSCA, and RoHS |
| **Warranty** | 2 years |