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GEARGO FC-06-50A-APP

GEARGO FC-06-50A-APP 50 Amp RV Surge Protector with App Control User Manual

Comprehensive guide for installation, operation, and maintenance of your GEARGO RV Surge Protector.

Introduction

The GEARGO FC-06-50A-APP 50 Amp RV Surge Protector is designed to safeguard your RV's electrical system from various power fluctuations and surges. With an 18,000 Joule surge absorption capacity, it provides robust protection against sudden electrical risks, helping to prevent costly damage to your RV's appliances and electronics. This device features a smart LED display for real-time monitoring and app control for remote management, ensuring a more secure and peaceful RV experience.



Image: The GEARGO FC-06-50A-APP 50 Amp RV Surge Protector, showcasing its LED display and robust design.

Setup and Installation

1. Choosing the Correct Amperage (30A vs. 50A)

It is crucial to select the correct amperage surge protector for your RV. The GEARGO FC-06-50A-APP is a 50 Amp unit. You can identify the correct type by the number of prongs on your RV's power cord connector and the corresponding holes on the surge protector.

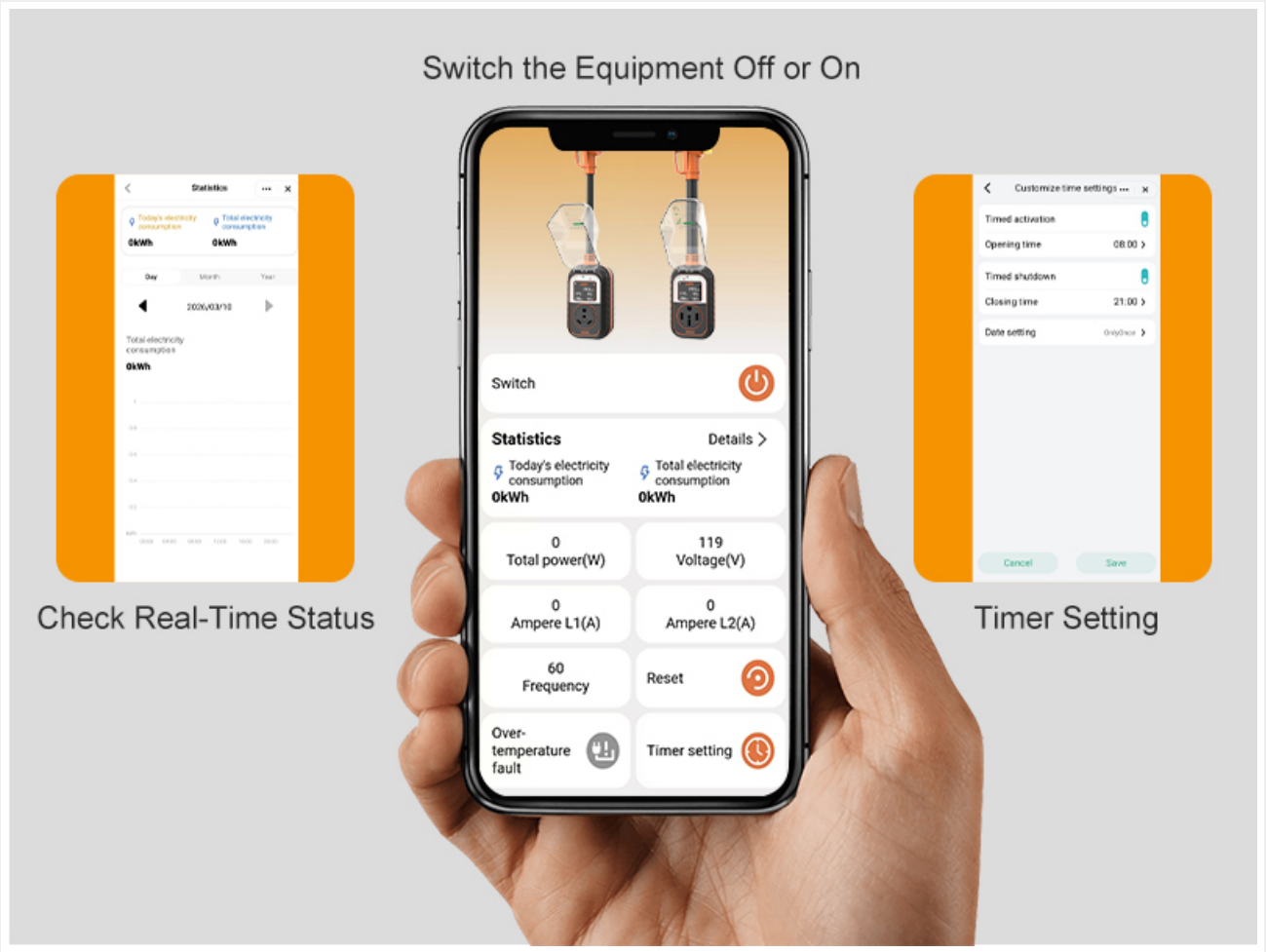


Image: Visual guide distinguishing between 30 Amp (3 plugs/holes) and 50 Amp (4 plugs/holes) RV surge protectors.

- **30 Amp:** Typically features 3 prongs on the male connector and 3 holes on the female receptacle.
- **50 Amp:** Features 4 prongs on the male connector and 4 holes on the female receptacle, designed for higher power demands.

2. Connecting the Surge Protector

Follow these steps to properly connect your GEARGO RV Surge Protector to the power pedestal:

1. **Step 1:** Plug the male end of the surge protector into the AC power outlet on the RV park pedestal.
2. **Step 2:** Observe the LED indicators on the surge protector. Ensure the green light is illuminated, indicating correct wiring and power availability. If not, consult the troubleshooting section or contact RV park management.
3. **Step 3:** Once the surge protector shows a correct power status, plug your RV's shore power cord into the female receptacle of the surge protector.

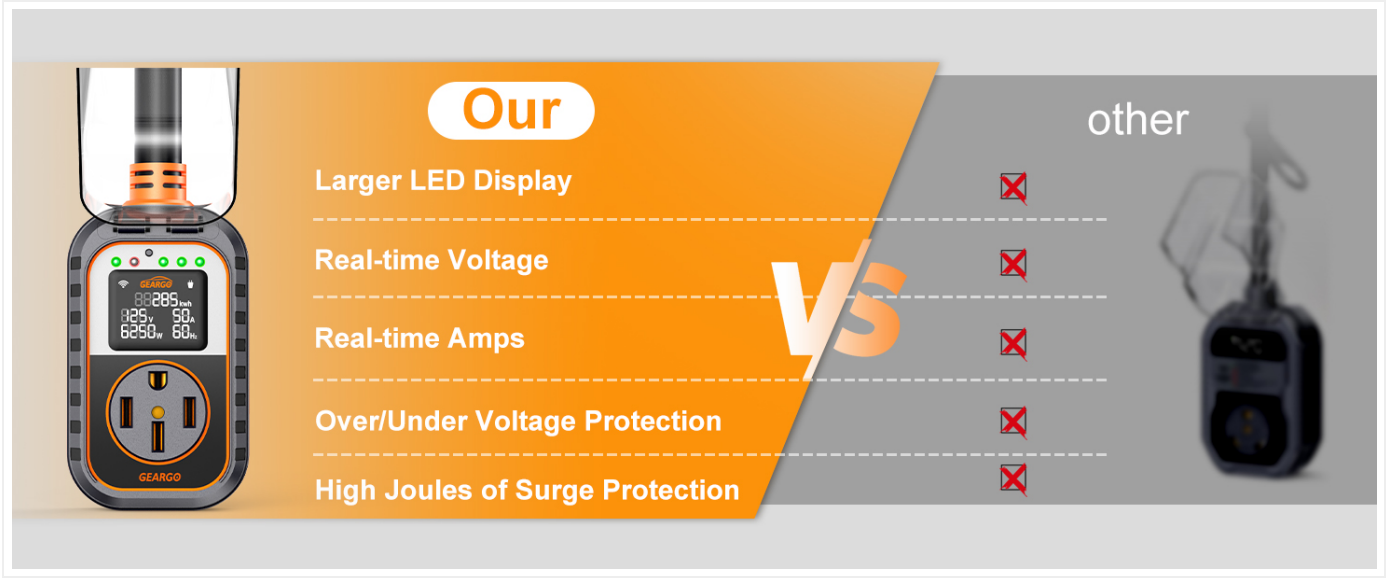


Image: Illustrated guide for connecting the surge protector: 1. Plug into AC power, 2. Verify green light, 3. Plug in RV.

3. App Installation and Connection

The GEARGO FC-06-50A-APP surge protector offers smart control via a mobile application. Download and connect the app before use:

1. **Step 1:** Open your smartphone's App Store (iOS) or Google Play Store (Android).
2. **Step 2:** Search for the app named "Smart Life" or "Tuya".
3. **Step 3:** Download and install the application. Follow the in-app instructions to pair your GEARGO surge protector via Bluetooth.



Image: Step-by-step visual guide for downloading the companion mobile application.

Operation

1. Understanding the LED Display and Indicators

The large, high-definition LED display provides real-time electrical data, while the indicator lights offer immediate status feedback. This allows for quick fault identification even in varying light conditions.

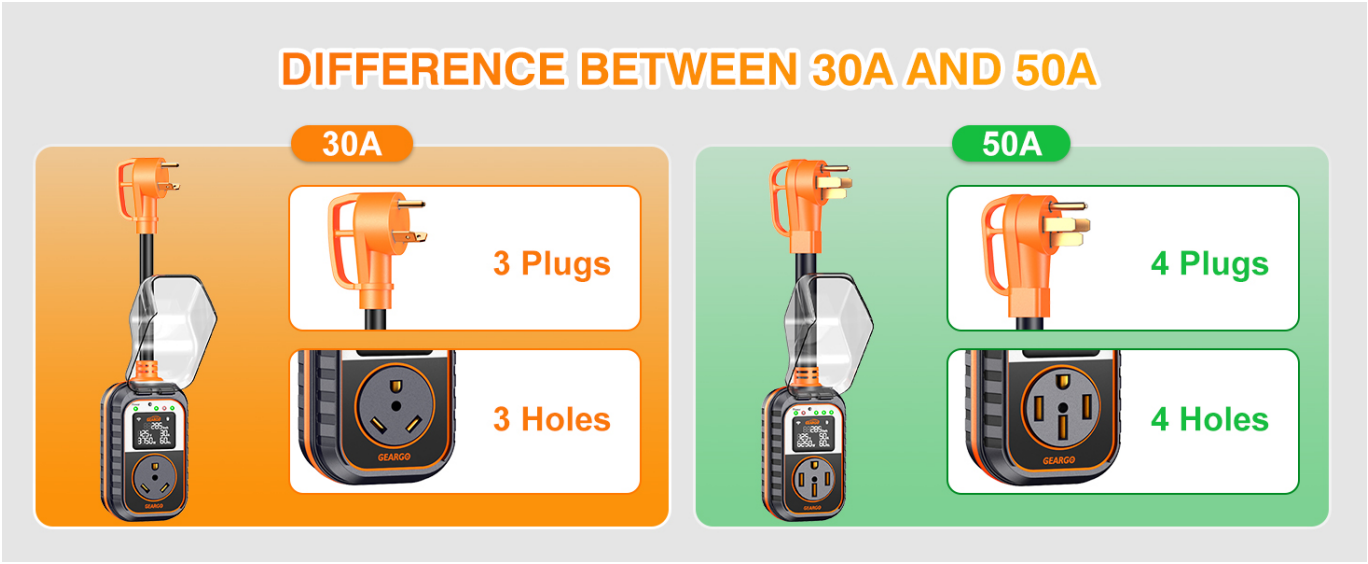


Image: The surge protector's LED display showing real-time data and a guide to the meaning of its indicator lights.

Indicator Light Meanings:

Indicator Status	Result
Green lights (all on)	Power On / Correct Wiring
Green lights (some off)	Open Neutral
Green lights (some off)	Open Ground
Green lights (some off)	Missing L1 125V
Green lights (some off)	Missing L2 125V
Red light (on)	Reverse Polarity
Red light (on)	L1 & GND Reversed
Red light (on)	L2 & GND Reversed
Grey lights (all on)	Open Circuit

2. Smart App Remote Control Features

The mobile app provides comprehensive remote control and monitoring capabilities:

- **Real-time Monitoring:** View input/output voltage, current, power, and KWH consumption directly from your smartphone.
- **Fault Notifications:** Receive immediate alerts for issues such as reverse polarity, open neutral, or abnormal voltage, allowing for prompt action.
- **Timer Function:** Schedule specific "ON" or "OFF" times for your RV's power supply, enhancing energy management and convenience.
- **Remote Power Control:** Switch the equipment off or on remotely via the app.



Image: The app's timer function interface, allowing users to set activation and shutdown times.



Image: Demonstrates the convenience of checking RV power status remotely without needing to go outside.

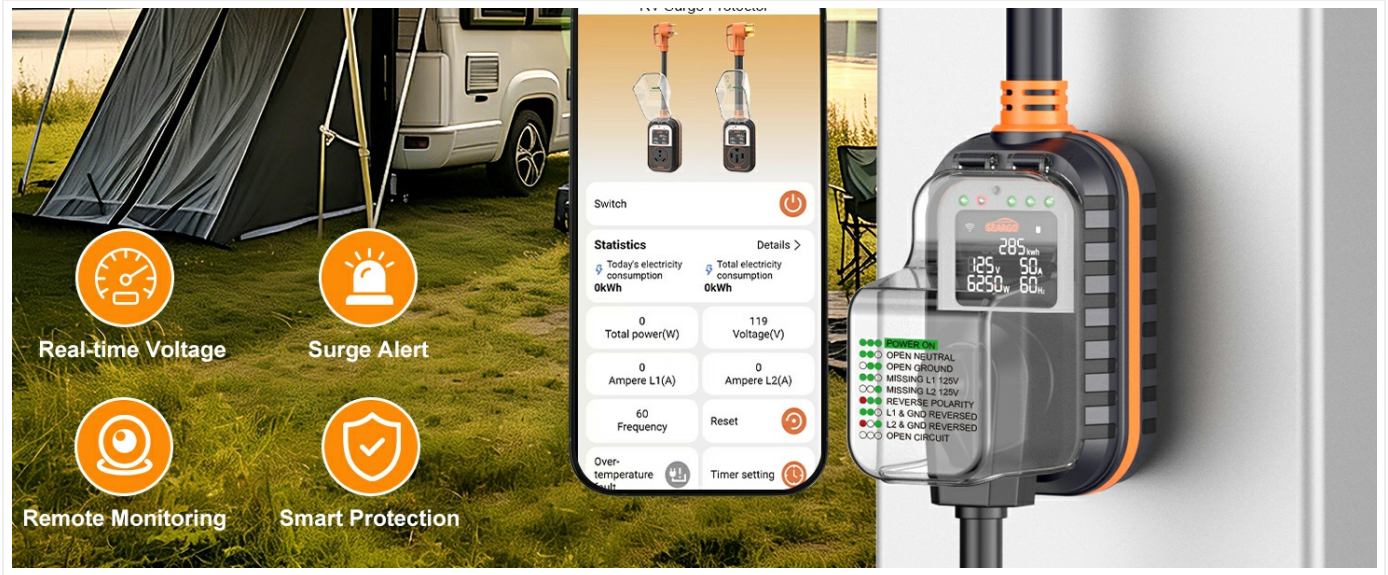


Image: The mobile app displaying real-time status, total electricity consumption, and options for timer settings and remote control.

MAINTENANCE

The GEARGO RV Surge Protector is built for durability in outdoor environments. To ensure its longevity and optimal performance:

- **Weather Resistance:** The unit is constructed from flame-retardant and impact-resistant materials with a weatherproof sealed structure. It is designed to operate stably in various weather conditions, including rain and direct sunlight.
- **Cleaning:** Periodically wipe the exterior of the surge protector with a damp cloth to remove dirt and debris. Ensure the unit is disconnected from power before cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use for extended periods, store the surge protector in a clean, dry place away from extreme temperatures.

Image: The GEARGO brand logo.



Image: The GEARGO RV Surge Protector in an outdoor setting, demonstrating its suitability for various weather conditions.

Troubleshooting

If you encounter issues with your GEARGO RV Surge Protector, refer to the LED indicator table in the "Operation" section for immediate diagnosis. The mobile app will also provide specific fault notifications.

- **No Power/No Lights:** Ensure the surge protector is securely plugged into the power pedestal. Check the circuit breaker at the pedestal.
- **Incorrect Wiring Indication (Red Lights/Specific Green Lights Off):** Disconnect the RV from the surge protector immediately. Do not connect your RV to a power source with incorrect wiring. Report the issue to RV park management or a qualified electrician.
- **App Connectivity Issues:** Ensure Bluetooth is enabled on your smartphone and the surge protector is within range. Restart the app or your phone if necessary.
- **Over-temperature Fault:** The app may indicate an over-temperature fault. Disconnect the unit and allow it to cool

down. Ensure adequate ventilation around the unit.

Your browser does not support the video tag.

Video: An official GEARGO video demonstrating the RV surge protector's features and operation, which can be helpful for visual troubleshooting.

Specifications

Feature	Detail
Brand	GEARGO
Model Number	FC-06
AC Adapter Current	50 A
Maximum Current	50 A
Surge Protection Rating	18000 Joules
Plug Type	NEMA 14-50P (Male) / NEMA 14-50R (Female)
Special Feature	Surge Protection, App Control, Real-Time Monitoring, LED Display
Compatible Devices	RV Electrical Systems

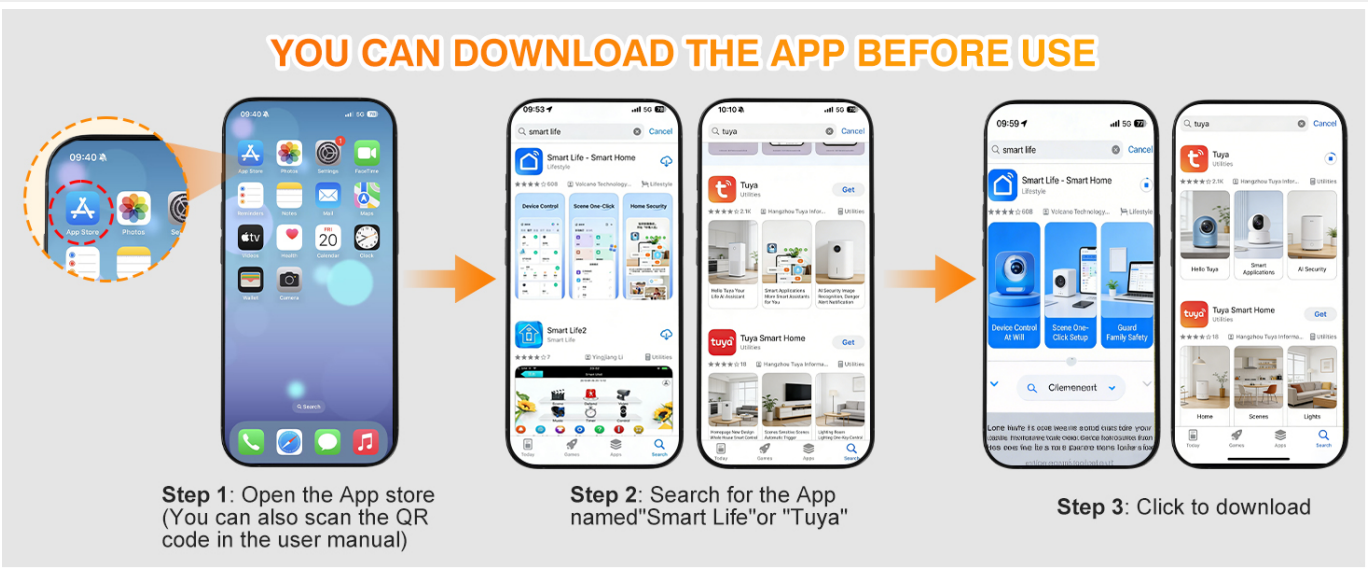


Image: Visual representation of the 18000 Joules surge protection capacity.

Warranty Information

This GEARGO RV Surge Protector comes with a**3-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the product packaging or contact GEARGO customer support.

Customer Support

For any questions, technical assistance, or warranty inquiries regarding your GEARGO RV Surge Protector, please

contact GEARGO customer support. Refer to the contact information provided on the product packaging or the official GEARGO website for the most up-to-date support channels.

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