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Kohree KR6482-RS-US-FBA

Kohree RV Surge Protector 30 Amp User Manual

MODEL: KR6482-RS-US-FBA

Introduction

The Kohree 30 Amp RV Surge Protector is designed to safeguard your recreational vehicle's electrical system and appliances from power fluctuations and surges. This device incorporates a real-time LED display for monitoring critical electrical parameters, robust surge protection, and automatic safety features to ensure a stable and secure power connection for your RV.



Image: Kohree 30 Amp RV Surge Protector, showing the device with its real-time LED display and product packaging.

Key Features

- Real-time Monitoring:** Equipped with a high-definition LED display that shows real-time voltage, current, and kilowatt-hour (KWH) readings. This allows continuous monitoring of power input, ensuring voltage remains within the safe range of 104-132V.
- 14000 Joules Surge Protection:** Provides significant protection against high-voltage spikes caused by lightning, grid switching, or other electrical disturbances, safeguarding your RV's electronics and wiring.
- Automatic Power Cut-Off:** Features an intelligent circuit analysis function that automatically disconnects power if voltage drops below 104V or exceeds 132V. Power is automatically reconnected once voltage returns to normal levels.
- IP67 Waterproof Design:** Designed with an extra-large waterproof cover compatible with various plug types, offering protection against rain, snow, wind, and sandstorms for reliable operation in diverse weather conditions.
- Durable Construction:** Made with fireproof materials and heavy-duty PVC for enhanced durability and safety.

- **Ergonomic Design:** Features an anti-slip handle for easy and secure plugging and unplugging.



Image: An internal view of the surge protector, highlighting its protective circuitry against power surges.

Setup and Installation

1. **Inspect Power Pedestal:** Before connecting, visually inspect the RV power pedestal for any visible damage or hazards.

2. **Connect Surge Protector:** Plug the Kohree RV Surge Protector directly into the 30A NEMA TT-30R receptacle of the RV power pedestal. Ensure a firm connection.
3. **Observe Display:** Once plugged in, the LED display on the surge protector will illuminate. Observe the display for initial readings and any fault codes.
4. **Check Circuit Analysis:** The device will perform a circuit analysis. If the display shows normal voltage and the green light is illuminated, the power source is safe. Refer to the 'Operating Instructions' and 'Troubleshooting' sections for interpreting display codes.
5. **Connect RV:** If the power source is deemed safe, plug your RV's 30A power cord into the receptacle on the Kohree RV Surge Protector.

SMART RV SURGE PROTECTOR



Real-time
voltage display



14000J
Surge Protection



All-in-One Circuit
Analysis Function



Heavy-Duty PVC



High and
low voltage auto
power off function



Fireproof Shell



Image: The surge protector connected to an RV power pedestal, ready for RV connection.

ORIGINAL NON-SLIP DESIGN FOR A BETTER USER EXPERIENCE



Image: A visual guide demonstrating the three-step connection process: plug into pedestal, check display for faults, then plug in the RV.

Operating Instructions

The Kohree RV Surge Protector features a large LED display that provides real-time information about the electrical connection. Understanding these readings and indicators is crucial for safe operation.

Display Readings:

- Voltage (V):** Shows the incoming line voltage. The safe operating range is 104V to 132V.
- Current (A):** Displays the amperage being drawn by your RV.
- Kilowatt-hour (KWH):** Tracks the total energy consumption.
- Frequency (Hz):** Indicates the power line frequency, typically 60Hz in North America.

Circuit Analyzer Indicators:

The display also provides fault codes to indicate potential wiring issues at the power pedestal. These codes are critical for identifying unsafe conditions before connecting your RV.



MORE THAN BASIC PROTECTION: ALL-IN-ONE CIRCUIT ANALYZER

RV 30A

Real-time Large Screen Display

110.45 V 5.00 A 100.500 W
60.000 Hz 0.000 KWH

Real-time Readings of Voltage, Current, Power, Temperature, Frequency and KWH

Fault Status Display

000

NORMAL CIRCUITRY:
NORMAL DISPLAY OF ALL
SCREEN ITEMS

001

E1: VOLTAGE BELOW 104V

002

E2: VOLTAGE OVER 132V

003

E3: OPEN GROUND

004

E4: REVERSE POLARITY

005

E5: OVER TEMPERATURE 230°F
ALARM,RESET AT 140°F

006

E6: TEMPERATURE SENSOR
ABNORMAL

007

NO SCREEN DISPLAY:
OPEN HOT OR OPEN NEUTRAL
OR HOT/GROUND REVERSE

Image: Close-up of the LED display illustrating different fault status codes and normal operation.

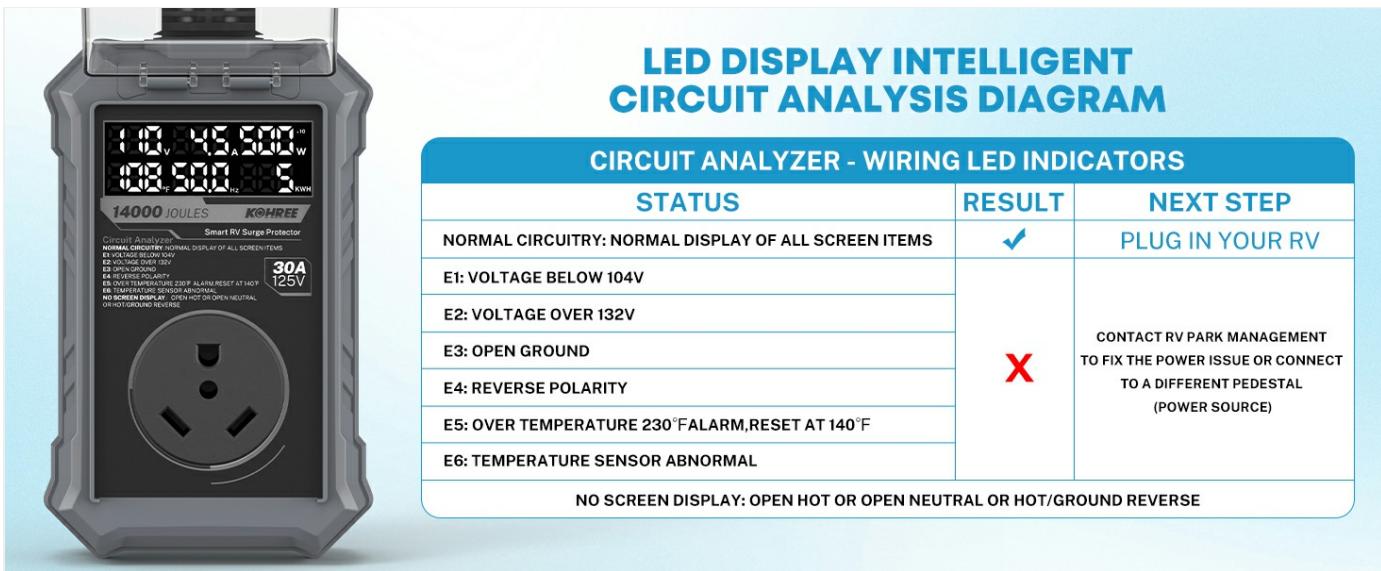


Image: A diagram explaining the LED display's circuit analysis, showing status, result, and next steps for various wiring conditions.

Maintenance

To ensure the longevity and optimal performance of your Kohree RV Surge Protector, follow these maintenance guidelines:

- Regular Cleaning:** Periodically wipe the exterior of the surge protector with a damp cloth to remove dirt and debris. Ensure the device is unplugged before cleaning.
- Inspect Connections:** Before each use, check the plug and receptacle for any signs of corrosion, damage, or loose connections.
- Waterproof Cover:** Always ensure the waterproof cover is properly seated and secured when the device is in use, especially in wet or dusty conditions.
- Storage:** When not in use, store the surge protector in a clean, dry place away from direct sunlight and extreme temperatures.

Troubleshooting

The Kohree RV Surge Protector's LED display provides diagnostic codes to help identify and resolve common power issues. Refer to the table below for guidance:

Status Code	Condition	Recommended Action
Normal Circuitry	Normal display of all screen items	Plug in your RV.
E1	Voltage below 104V	Contact RV park management to fix the power issue or connect to a different pedestal.
E2	Voltage over 132V	Contact RV park management to fix the power issue or connect to a different pedestal.
E3	Open Ground	Contact RV park management to fix the power issue or connect to a different pedestal.

Status Code	Condition	Recommended Action
E4	Reverse Polarity	Contact RV park management to fix the power issue or connect to a different pedestal.
E5	Over Temperature (230°F alarm, reset at 140°F)	Disconnect from power, allow unit to cool. Check for proper ventilation. If issue persists, contact support.
E6	Temperature Sensor Abnormal	Contact manufacturer support for assistance.
No Screen Display	Open Hot or Open Neutral or Hot/Ground Reverse	Contact RV park management to fix the power issue or connect to a different pedestal.

PROTECT POWER AND ELECTRONIC DEVICES FROM LIGHTNING STRIKES

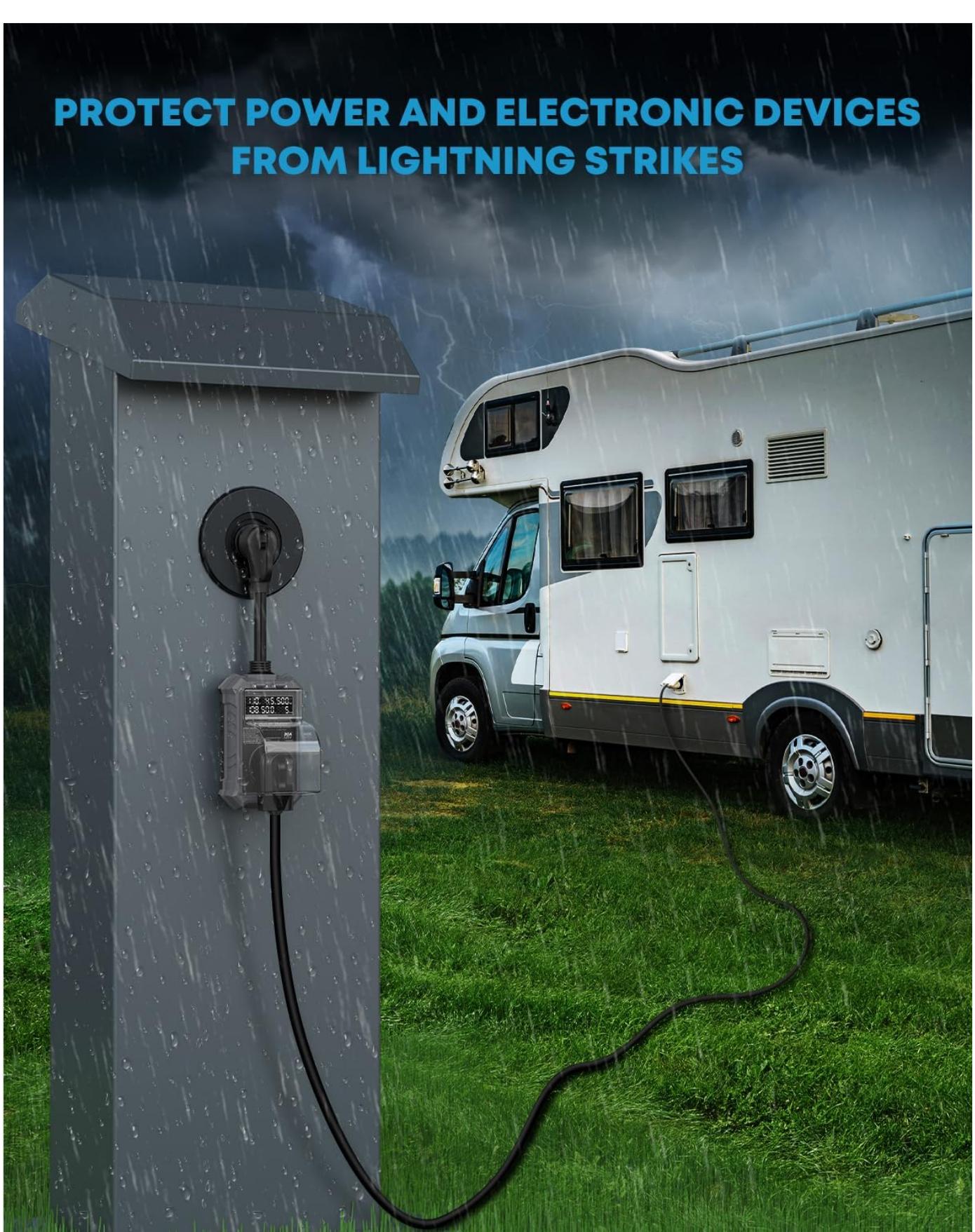


Image: Visual representation of voltage fault codes (E1, E2) and the normal operating voltage range.

Specifications

- **Manufacturer:** Kohree
- **Model Number:** KR6482-RS-US-FBA
- **Current Rating:** 30 Amp

- **Voltage Rating:** 125V
- **Maximum Wattage:** 3750W
- **Surge Protection:** 14000 Joules
- **Waterproof Rating:** IP67
- **Item Weight:** 2.2 pounds
- **Package Dimensions:** 11.18 x 6.18 x 5.24 inches

PRODUCT INFORMATION



30A NEMA TT-30P



30A NEMA TT-30R

Warranty and Support

This product is designed for durability and reliability. While specific warranty details are not provided in this manual, extended protection plans may be available for purchase separately through your retailer.

For technical support, troubleshooting assistance beyond the scope of this manual, or inquiries regarding warranty claims, please contact the manufacturer, Kohree, or your authorized seller. Keep your purchase receipt and model number (KR6482-RS-US-FBA) readily available when contacting support.

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Related Documents - KR6482-RS-US-FBA

	<p><u>KOHREE HY1704 RV Leveler User Manual and Technical Specifications</u></p> <p>This document provides instructions and technical details for the KOHREE HY1704 RV Leveler, including setup, usage, and FCC compliance information.</p>
	<p><u>KOHREE Car Refrigerator User Manual: Features, Operation, and Troubleshooting</u></p> <p>Comprehensive user manual for the KOHREE Car Refrigerator with Compressor. Learn about its features, installation, operation, temperature settings, battery protection, troubleshooting, and warranty information.</p>
	<p><u>KOHREE Car Refrigerator User Manual</u></p> <p>Comprehensive user manual for the KOHREE Car Refrigerator, detailing its features, operation, installation, troubleshooting, and warranty information. Suitable for trucks, RVs, camping, and household use.</p>
	<p><u>KOHREE Car Refrigerator User Manual: Features, Operation, and Troubleshooting Guide</u></p> <p>Explore the KOHREE Car Refrigerator user manual for detailed information on its features, operation, safety guidelines, troubleshooting tips, and warranty. Learn how to use your portable dual-zone cooler effectively for travel and home.</p>



[Bourns 2520 Series Data and Signal Surge Protective Device Datasheet](#)

Datasheet for the Bourns 2520 Series Data and Signal Surge Protective Device (SPD). Features UL listed protection, DIN-Rail mounting, and compliance with UL 497B and IEC 61643-21 standards for protecting datalines in various communication systems.



[Fuji Electric FD5000 Series Instruction Manual](#)

Comprehensive instruction manual for the Fuji Electric FD5000 Series unit meters, detailing installation, operation, parameter setup, specifications, and after-service.