



# Voltage Regulators

by **SURGE GUARD**

## Don't Worry About Low Park Power Again!

Today's RV's contain advanced electronics including computers, TV's, satellite receivers, microwave ovens, air conditioners and other sophisticated appliances. Poor power quality entering an RV can not only effect the longevity of electronic equipment and motors, but can lead to thousands of dollars in repairs and create frustrating, unnecessary travel delays.

The TRC Voltage Regulator is intended for use with RVs to provide a reliable source of power when experiencing low RV park voltage. These innovative voltage regulators automatically and continually monitor line voltage conditions and boost voltage to an acceptable level, when needed, helping prevent low voltage damage to the RV's appliances and electronic devices.

In addition, the TRC Voltage Regulators are the first boosters that include intelligence with easy-to-read LED status and fault indication panels. These LED's show ground status line conditions as well as indicate the under/over voltage conditions of each output line. This product is designed to be fault tolerant so that it can not be damaged by an open neutral that results in high voltage on one of the incoming lines.

In the **Low Voltage (Boost) Mode** the TRC Voltage Regulator raises the output voltage by 10% over the incoming line voltage. In the **Bypass (No Boost) Mode** the unit becomes a bypass element and simply passes the input voltage directly to the output. In the bypass mode the unit exhibits minimal insertion loss. On the 50A power source, using our Model 10175, each line voltage control circuit operates independently so that an increase only occurs on the required line.

Using the TRC Voltage Regulator in conjunction with a Surge Guard® RV power protection product provides the ultimate combination of low voltage and surge protection. The Surge Guard must be plugged in after or down stream of the TRC Voltage Regulator.

A variety of Surge Guard products are available to protect your RV from High/Low Voltage, Open Neutral, Miswired Pedestals, and Surges.

### FEATURES

- ▶ Boosts as low as 95 Volts
- ▶ 10% voltage increase
- ▶ Provides a reliable source of power
- ▶ Helps prevent low voltage damage to appliances
- ▶ Easy-to-read LED Status and Fault Indication Panel
- ▶ Fully automatic — Continuously monitors line voltage conditions
- ▶ True bypass mode — input voltage is equal to output voltage
- ▶ Increases voltage to an acceptable level
- ▶ Rain-tight enclosure
- ▶ Mounting feet so unit does not sit in water
- ▶ Optional mounting bracket for inside the RV

#### Model 10175

##### Rated 120V/240V, 50A

For use on split phase, 3-wire service

Can be used on a 120/208V, 3-wire network

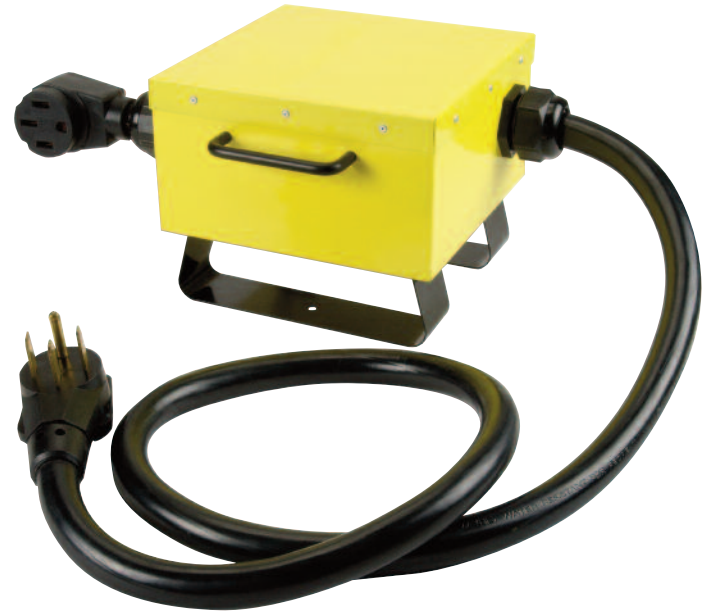
- ▶ Weight: 42 lbs.
- ▶ Dimensions: 7.50"H x 12.75"W x 17.50" D
- ▶ Cord Length: 4-5 Feet
- ▶ Mounting Feet Height: 2.5"
- ▶ (Optional) Mounting Plate Height: 0.75"

#### Model 10176

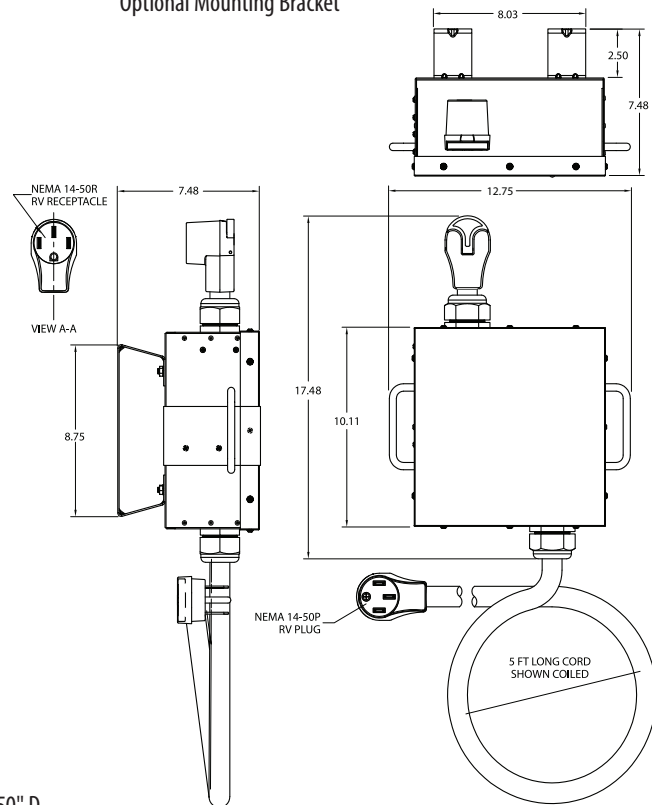
##### Rated 120V, 30A

For use on single phase, 2-wire service

- ▶ Weight: 21 lbs.
- ▶ Dimensions: 7.50"H x 12.75"W x 17.50" D
- ▶ Cord Length: 4-5 Feet
- ▶ Mounting Feet Height: 2.5"
- ▶ (Optional) Mounting Plate Height: 0.75"



Optional Mounting Bracket



*The TRC Voltage Regulator is not a protective device and the connected RV will not be protected from damage should an open neutral or surge develop during the course of operation. The fault indicator panel is for indication only.*