

RV ELECTRICAL CONCERNS



By John Jarrett

Electrical Monitor Panel

We have talked about many systems in a bus conversion build that are important to safely use and live in a conversion. We talked about the importance of proper insulation, and managing the elements. We talked about different systems; but today I want to talk about one of the most important systems in your RV, the electrical system. One of the reasons most insurance companies don't underwrite insurance other than liability for RVs and conversions is because of poor electrical design or practices. This system can cause fires and damage to your conversion or to you personally.

This isn't going to be a "how to" as much as it is intended to guide your decision to do this yourself or hire it out. I run and operate Big Dog RV LLC. We have a tiny house and bus conversion only RV park, in Missoula, Montana; we also build bus conversions and tiny houses, something we have done for the past 35 years. The single largest area I get questions about are electrical systems designs and propane systems.

The electrical system is designed to do many things in your conversion. It will run most of your coach in one form or another, so it is important to design it to give it many years of trouble free service. First, let's cover a few terms you'll need to know.

Volts - refers to the "push" of electricity
Ohms - refers to the resistance of the electricity

Amps - this is what gets the job done

AC - is Alternating Current

DC - is Direct Current

Gauge - is the size of the wire normally referred to in



Tanks, Toilets & Systems



PRODUCT No.	651001
MODEL No.	510 Plus
COLORS	White or Bone
BCM Special	349⁹⁵

- **All the comforts of home**
China bowl is rinsed with fresh water from onboard demand system. Integral anti-siphon vacuum breaker protects potable water supply.
- **Easy to clean:** Durable china resists stains and scratching.
- **Proven reliability and easy maintenance**



Tanks: Over 400 Sizes To Choose From

Heavy duty rotomolded constructed. One piece, non-corrosive high density polyethylene Fresh, Gray, Black water holding tanks.

We also carry
LED Electronic
Tank Monitor Panels.

ARDEMCO INC.
• Dealer inquiries welcome •

800-253-0115

www.ardemco.com
902 W 18th St., Costa Mesa, CA 92627

[Click Here For Our Online Catalog](#)

