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# Understanding the Shore Cord

Does my coach have 220 voltage? The answer is, Yes with 50 amp power service. If the coach has a 50 amp power cord, then there is 220 VAC present. The majority of Foretravels built have 220 VAC available, but is never phased together. A few late model coaches do have a 220 VAC clothes drier or an induction cooktop.



## Explaining the 50 amp plug is as follows: Four prong

- A 50 amp shore cord has 4 prongs or terminals.
- Has two 50-amp rated 120-volt wires and one neutral wire
- Can supply 12,000 watts of power at one time
- NEMA 14-50R configuration
- Leg 1 to Neutral or Ground will read 120VAC
- Leg 2 to Neutral or Ground will read 120 VAC
- Neutral to Ground will read Zero.
- If you read leg 1 to leg 2 you will read 240VAC on the volt meter.

A 50 amp shore cord will allow the coach to have 2 separate legs of 50 amp service into the coach, allowing the coach to be able to consume **100 amp total** with good breakers and no bad connections.

## Explaining the 30 amp cord or adaptor is as follows: Three prong

- A 30 amp shore cord only has 3 prongs or terminals.
- Can supply 3600 watts of power at one time
- NEMA TT-30R configuration
- The round connector is Equipment Ground.
- One flat connector is leg 1
- The other flat connector is Neutral
- Leg 1 to Neutral or Ground will read 120 VAC
- Neutral to Ground will read Zero.

A 30 amp shore cord is only 1 leg of 120VAC. There is **only 30 amp total**. A 50 amp shore cord will allow the coach to operate 2 Roof AC units at same time, where a 30 amp shore cord will only allow the coach to operate one Roof AC unit.

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