

Installing a 120-volt 30-amp RV Electric Service

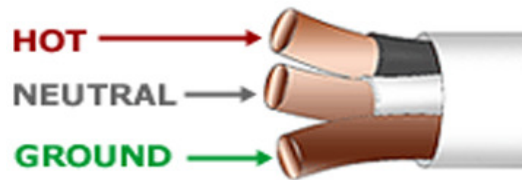
This Service is 120-volt with 3 wires. 1 HOT 1 NEUTRAL, 1 GROUND and a SINGLE POLE Breaker. **DO NOT USE THE DOUBLE POLE 30-amp Breaker with 2 HOT wires to install. DO NOT CONFUSE** this 3 wire 30-amp 120-volt (TT-30R) Service with the OLD APPLIANCE 30-amp (10-30R) 3 wire 120/240-volt service. If you do **IT WILL COST YOU. This confusion could cause THOUSANDS of \$ in damages. Your RV WILL SMOKE.**

Parts needed to install.

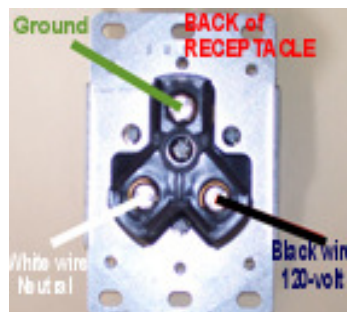
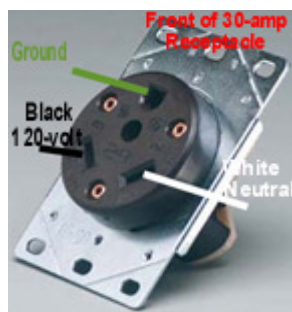
1 SINGLE POLE 30-amp 120-volt Breaker

1 TT-30 Receptacle and

1 Black (HOT), 1 White (NEUTRAL) and 1 Ground Correctly sized wire



The 30-amp service for an RV is 120-volt with a 3 prong receptacle and a single 30-amp dedicated breaker. The 30 AMP is a standard ANSI C73.13, TT-30P (plug) / TT-30R (receptacle). This designation was made specifically for TRAILERS. Plugs and Receptacles are available at Lowe's, Home Depot, Camping World and Electric Supply houses.



Front and the Back of a 30-amp Receptacle

30-amp Single Pole Breaker

This service is very simple to wire just follow the color coding for the connections if marked and use the correct size wire. The BLACK wire or HOT it is connected to the breaker and to the BRASS colored screw if marked. Some receptacles do not have different color screws in that case attach the black wire at 5 o'clock or right hand side when looking at the BACK of the receptacle (or the 7 o'clock frontal position) the WHITE wire or neutral is connected to the silver screw or opposite side of the black wire and to the neutral bar in the panel. The BARE or GREEN wire is connected to the "G" screw or the U shaped prong and to the ground bar in the panel. This 30-amp 120-volt service will supply 3,600 watts.

RECOMMENDED wire sizes for the 30-amp. 25 feet - #10, 50 feet - #8, 100 feet - #6. You may get along fine with longer runs.

ALWAYS check out new Installation before you plug in the RV.