

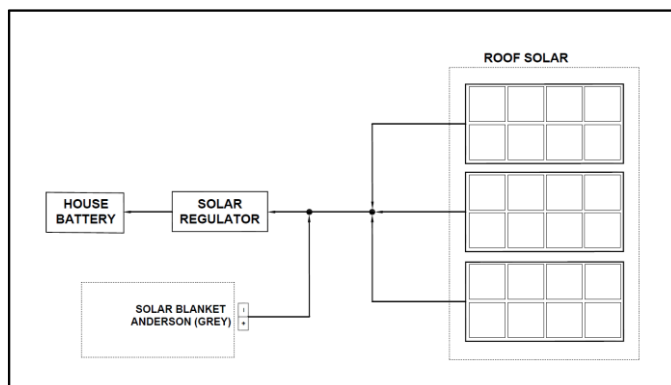


Portable Solar Blanket Guide

Knowing your Solar panel system

Jayco wires solar panels in parallel. For extra power, the driver's side features a grey Anderson connector provision for portable solar blanket. **This plug must only be used with unregulated solar panels.**

Solar Wiring Diagram



Portable Solar blanket guide

- 1) The solar blanket must be unregulated because it connects in parallel with the roof panels. This setup requires only one solar regulator, which is already built into the power system.
- 2) Voltage and Current rules for parallel connection:
 - a. Voltage (V_{pmax} , V_{oc}) must be nearly identical, as parallel wiring forces higher-voltage panels to dump energy backward, dragging total array efficiency down to the lowest-rated panel.

E.g., if your panel voltage (20 VOC) is lower than the system voltage (40 VOC), it drops by 50% to 20 VOC, which causes a direct power loss
 - b. Current does not need to match. Parallel connections naturally add up the current (amperage).
- 3) In buying a solar blanket, ensure the voltage ratings align closely with the roof panels, to maximize overall system efficiency. Refer to the roof solar panel specifications below.

Jayco Roof Solar panel Specifications

Jayco Code	Model Year	Peak Power P_{max} (W)	Open circuit voltage (V_{oc})	Max power voltage (V_{pmax})	Max power current I_{max} (A)	Short-circuit current I_{sc} (A)	Notes
C4112L	2023	200W	27.14V	22.62V	8.85A	9.56A	
C4112N	2023/24/25	200W	24.10V	20.60V	9.71A	9.85A	
C4112S	2026	210W	23.04V	19.84V	10.59A	10.94A	
C4112P	2023/24/25	250W	24.10V	20.61V	12.13A	12.35A	
C4112Q	2025/26	260W	40.32V	34.72V	7.49A	7.74A	
N/A	2026	260W	23.04V	19.84V	13.11A	13.54A	<i>*Temporary Refer to ECN-0109-26</i>