



Installing and Using Roxy Oven

Installing the solar panel

The Roxy Oven is powered by a solar panel which can range in size from 100-400 watts. More wattage means faster cooking times. The burner must be optimized to a particular wattage and voltage. Our standard burner comes optimized to 300 watts and 32 volts.

Mount your panel in full sun, facing south, at a 45 degree angle from the ground. Even a small amount of shade will dramatically reduce the performance of your panel. Panel should be securely fastened to a frame, roof, or wall to prevent wind damage.

Connecting Roxy Oven

Locate the MC4 connectors on one end of the supplied outdoor cable. Connect these to the MC4s of the panel. The red wire of the cable to the cable connects to the positive wire of the panel, and the black connects to negative. Push the connectors together until they click into place. (MC4s should not be connected or disconnected under load. Cover the panel or unplug the cooker first.)

Bring the plug end of the cable into your kitchen, securing the cable as to prevent damage to the wires or insulation. We do not recommend passing the cable through a door or window, as the cable will likely become damaged over time. Connect the plug end of the cable to the plug of the cooker.

Roxy Oven should sit on a countertop or other surface, with at least 4 inches of clearance on all sides. Like any other cooker, Roxy Oven can become hot, so keep the oven out of contact with anything flammable.

Using Roxy Oven

Turn on the switch. If the cable is connected on both ends and there is sun on the panel, the voltmeter should read around 30V and the burner should heat up slowly. To use Roxy Oven as a stove, place a pot directly on the burner. To use it as an oven, use the supplied baking trays on the triangular racks built into the sides of the oven. The chart below gives estimated cooking times.

	Quantity	Cook time, full sun (240w)	Watt hours
Boiled water	1 quart	45 minutes	180
Black beans, soaked overnight	4 cups (dry)	4 hours	960
Vegetable soup	2 quarts	1.5 hours	360
White rice	4 cups (dry)	1.5 hours	360
Whole wheat bread	2 loaves	2 hours	480
Roasted sweet potatoes	4.5 lbs	3 hours	720

Because heat rises and falls slowly with the sun, it's easy to forget that Roxy Oven is turned on. Remember to turn off the switch when you are finished with the oven, regardless of power input.