MyGrid EQUINOX : Off-Grid Solar Design Package

Price: CAD $100.00

SKU: MYGRID-EQUINOX-DESIGN
Product Categories: Residential Solar, Back-Up Systems, Cabin Solar Power, Design, Design Packages, Home, On The Roof, Pop Picks For Homes, Tiny House Power
Product Tags: back-up, backup, battery, cabin, canada, cottage, energy storage, home solar, ironridge, off-grid, package, sol-ark, solar energy, solar system, storage, tiny home, tiny house
Product Page: https://www.modernoutpost.com/product/mygrid-equinox-off-grid-solar-design-package/

Product Summary

Got a cabin or tiny house that you want to energize with solar? This MyGrid Equinox is the quick way to get started. This package is designed for small residential applications with 3-season performance in mind (equinox-to-equinox). By choosing this system design package, you are letting us know that you would like to build the optimum system for your off-grid home. We will consult with you around issues such as your list of appliances & loads to calculate your expected daily consumption.

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What does "Equinox" refer to? In Canada, winters can be tough. So many cabin and tiny house projects will focus on the

6 months between March 21 and September 21. During the winter and poor shoulder seasons, a generator can be used to provide additional charge when the sun isn't keeping-up.
For full-time off-grid residences, we recommend sizing the solar array for the worst month in your location according to weather data. Solar modules are your most affordable source of electricity and require no maintenance or fuel storage. Your generator can be reserved for times when sunlight is below winter averages for extended period of time.
The Fee
A lot of thought & effort goes into our designs. We make sure that the equipment we specify is appropriate for your specific location, your budget, and your energy goals. The design fee we charge gets applied as a credit against any eventual equipment purchase (no time horizon).
The Design Process
Step 1 : Confirm the Location Details
We use satellite imagery to model your roof or property, so will discuss your options with you before we get started. We will also want to know all the details regarding your list of appliances and other loads to establish your energy budget and anticipated consumption patterns.
Step 2 : Solar Performance Simulation Report
This report illustrates your installation layout and the energy you can expect to generate on a monthly average and annual basis. Compare the production numbers against your utility bills to know how much your system will offset.
Step 3 : Engineering Documents
We include all equipment spec sheets, engineering reports, & installation manuals, so you know exactly what we are proposing.
Step 4 : Equipment specification & quotation
Our quotations include a line-by-line accounting of all the equipment in your system. We want you to have the full details.
The Solar Modules : All-Black, Split-Cell
We select the most current all-black solar modules in the upper echelon of 60-cell, 66-cell, and 72-cell formats for the MyGrid EQUINOX designs. Modules selected are also split-cell. This means they are assembled in two sections which keeps shading issues from affecting the entire module. It also means optimized internal electrical connections for higher performance. Black monocrystalline cells, with black frames & backsheets blend into roof spaces extremely well.
The end result is the highest yield from your solar array than any other architecture, while providing the best aesthetics.
The Inverter : Inverter/Charger or Stand-Alone
We will consult with you regarding the best choice of inverter platform to meet your goals. Most designs, incorporate inverter/chargers that have integrated transfer switches. They convert battery DC to household AC, but can also switch in milliseconds to charging mode when a generator is turned on.
Stand-Alone AC inverters just perform power conversion, and are a great way to keep your costs down. Add a separate charger if needed.
The Racking : Roof, Ground, or Pole
Cabins, cottages, and tiny homes have a variety of issues with finding space for solar. If roof space is not sufficient, look to ground mounts, and pole mounts as solutions.
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We look forward to working with you!

Product Attributes

- Weight: 100 kg