

Outback FP1 FXR2524A : Pre-Wired Grid/Hybrid Renewable System



[15, 117, 84](#)

SKU: OPFP1-FXR2524A

Product Categories: [Battery-Based : Hybrid/Grid-Interactive](#), [Battery-Based : Stand-Alone Sinewave](#), [Cabin Solar Power](#), [Inverters](#), [Off-Grid : With Battery Charger](#), [On The Roof](#), [Pre-Wired Power Panels](#), [Supply](#), [Tiny House Power](#), [Wiring & BOS](#)

Product Tags: [cabin](#), [canada](#), [cottage](#), [flexpower](#), [flexpower one fxr](#), [fp fxr2524a](#), [fxr](#), [fxr series](#), [fxr2524](#), [fxr2524a](#), [grid tie](#), [home](#), [hybrid](#), [inverter](#), [off-grid](#), [outback](#), [outback fxr](#), [outback fxr2524](#), [outback fxr2524 canada](#), [outback power](#), [panel](#), [Power](#), [power system](#), [pre-wired](#), [residential](#), [tiny house](#)

Product Page:

<https://www.modernoutpost.com/product/outback-fp1-fxr2524a-pre-wired-gridhybrid-renewable-system/>

Product Summary

Outback FP1 FXR2524A : Pre-Wired Grid/Hybrid Renewable System. The most

advanced grid/hybrid inverter/charger features on the industry's most trusted platform. Ideal for residential applications including cabins, vacation homes, tiny houses, farm buildings, remote communications sites, & back-up power systems. All necessary components integrated into a compact hang-on-the-wall system with minimal footprint.

Free Shipping In Canada

Product Description

Outback FP1 FXR2524A : Pre-Wired Grid/Hybrid Renewable System. The most advanced grid/hybrid inverter/charger features on the industry's most trusted platform. Ideal for residential applications including cabins, vacation homes, tiny houses, farm buildings, remote communications sites, & back-up power systems. All necessary components integrated into a compact hang-on-the-wall system with minimal footprint.

This is a battery-based system that can interface with the utility, or other power sources, according to your needs.

[Download the Spec Sheet](#) [Download the Quickstart Guide](#)]

FP1 FXR2524A Operating Modes...

Mini Grid : When you are mostly off-grid, but have the grid as back-up.

Grid-Tied : For regions where Feed-In-Tarrifs (FiT) or net Metering programs exist.

GridZero : Maximize your use of renewables, and minimize your purchase of utility power.

Support : Use with small generators, or poor utility power.

BackUp : For systems where computers & other sensitive loads are present.

UPS : Where uninterrupted power is mission-critical.

Generator : For systems with undersized, or low-quality generators.

The Major Components In The FP1 FXR2524A Pre-Wired Package...

FXR2524A : Inverter/Charger

FLEXmax 80 : PV Solar Charge Controller

MATE3 : System Display & Controller

HUB : Communications Manager

FLEXnet : DC Battery Monitor

FW250-AC-120V-NA : AC Conduit Box (with bypass assembly)

FW250-DC-125 (250) : DC Conduit Box (with inverter disconnect)

RTS : Remote Temperature Sensor

Surge Protector

User Supplied Parts...

PV Solar Array (with PV combiner box as necessary)

Battery Bank

AC Source : Utility grid, or AC generator

Main Electrical Panel (or overcurrent device for AC source)

Electrical Distribution Subpanel (ie your load panel)

About The FXR2524A Inverter...

The Outback Power FXR2524A Grid-Hybrid Renewable Energy Inverter Charger. The latest, most advanced features on the industry's most trusted and proven platform—that's the essence of OutBack's new FXR Series of Grid/Hybrid inverterchargers. Capable of off-grid or grid-connected operation in a single model, the FXR Grid/Hybrid inverterchargers provide system flexibility and compatibility for nearly any power conversion scenario.

- Single-phase 120V, Sinewave Output - 24VDC input - 2500W Sealed Model with Turbo & RTS included - 55A Battery charger - Programmable for Seven Different Modes with Generator Assist - Modular, Stackable Design for up to Nine Inverters in Three-phase and 10 Inverters in Grid-tied - Up to 93% Operating Efficiency - Field Upgradable Software - Standard 5-Year Warranty with Optional 10-Year **Both off-grid and grid-tied functionality in one unit**
- Seven programmable modes, including GridZero and Support Mode and built-in networked communications - Advanced Battery Charging (ABC) with expanded charging voltages and time parameters, enabling system designers to accommodate the specific charging profiles and algorithms of new and emerging energy storage technologies including Lithium Ion, Aqueous Ion and Flow chemistry batteries - Easy system upgradability in the field

Sealed unit with NEMA type 1 die-cast aluminum chassis designed to operate in the harshest environmental conditions such as high temperatures, humidity or corrosive salt air, the FXR's continue in OutBack's tradition of absolute dependability in mission critical installations no matter how harsh or challenging the conditions.

[Download the FXR2524A Spec Sheet\]](#)

About The FLEXmax Solar Charge Controller...

The FLEXmax family of charge controllers is the latest innovation in Maximum Power Point Tracking (MPPT) charge controllers from OutBack Power. The innovative FLEXmax MPPT software algorithm is both continuous and active, increasing your photovoltaic array power yield up to 30% compared to non-MPPT controllers. Thanks to active cooling and intelligent thermal management cooling, both FLEXmax charge controllers can operate at their full maximum current rating, 60 Amps or 80 Amps respectively, in ambient temperatures as high as 104°F (40°C).

Included in all of the FLEXmax Charge Controllers are the revolutionary features first developed by OutBack Power, including support for a wide range of nominal battery voltages and the ability to step-down a higher voltage solar array to recharge a lower voltage battery bank. A built-in, backlit 80 character display shows the current status and logged system performance data for the last 128 days at the touch of a button. The integrated OutBack network communications allows FLEXmax series Charge Controllers to be remotely programmed and monitored via a MATE system display and provides unrivaled complete system integration.

[Download the FM60/80 Spec Sheet\]](#) **For information on the other components included in this pre-wired solution, consult the [Outback Power website.](#)**

Product Attributes

- Dimensions: N/A
- Weight: 69 kg

Product Gallery

