

Outback FXR2012A : Grid/Hybrid Renewable Energy Inverter/Charger



Price: CAD \$2,990.00

SKU: OPFXR2012

Product Categories: [Hybrid Inverters: 2-3.9kW](#), [Inverters](#), [Off-Grid : Inverter/Chargers <3kW](#), [Shop](#)

Product Tags: [canada](#), [fxr](#), [fxr series](#), [fxr2012](#), [fxr2012a](#), [outback](#), [outback fxr](#), [outback fxr2012](#), [outback fxr2012 canada](#)

Product Page:

<https://www.modernoutpost.com/product/outback-fxr2012a-inverter-charger/>

Product Summary

The Outback Power FXR2012A Grid-Hybrid Renewable Energy Inverter Charger. The latest, most advanced features on the industry's most trusted and proven platform. Capable of off-grid or grid-connected operation in a single model, the FXR Grid/Hybrid inverter/chargers provide system flexibility and compatibility for nearly any power conversion scenario.

Product Description

The Outback Power FXR2012A 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.

FXR2012A Features...

- Single-phase 120V, Sinewave Output - 12VDC input - 2000W Sealed Model with Turbo & RTS included - 100A 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

FXR inverterchargers can be paired with a MATE3 to add OPTICS RE to monitor and control system performance from any location. Multiple units may be stacked and connected with other OutBack Power electronics for more seamless system integration and the ability to function in a wide variety of applications, and system sizes. Up to nine inverters can be combined in a 3-phase system. The exclusive modular system architecture means that increased power output is just an additional FXR invertercharger away.

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.

FXR2012A Series Specifications...

FXR A Series Specifications

Model	Sealed			Ventilated		
	FXR2012A	FXR2014A	FXR2016A	FXR2012A	FXR2014A	FXR2016A
Continuous Power Rating (kW) @ 25°C	2.0kW	2.5kW	3.0kW	2.0kW	2.5kW	3.0kW
AC Input Voltage (VAC) 50/60Hz	115V/120V (50/60)	230V (50/60)	230V (50/60)	115V/120V (50/60)	230V (50/60)	230V (50/60)
AC Input Frequency (Hz) 50/60	50/60	50/60	50/60	50/60	50/60	50/60
Maximum AC Input Power (kW)	2.5	3.0	3.5	2.5	3.0	3.5
Efficiency @ 80% Input (0.8 PF) (%)	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%
THD (%)	5.0	5.0	5.0	5.0	5.0	5.0
Power Factor (PF)	0.99	0.99	0.99	0.99	0.99	0.99
Input Current (A) @ 115V/120V	16.4	16.4	16.4	16.4	16.4	16.4
Input Current (A) @ 230V	8.2	8.2	8.2	8.2	8.2	8.2
Input Current (A) @ 230V 50Hz	8.2	8.2	8.2	8.2	8.2	8.2
Input Current (A) @ 230V 60Hz	8.2	8.2	8.2	8.2	8.2	8.2
Input Voltage Range (VAC)	100-130V	220-240V	220-240V	100-130V	220-240V	220-240V
Input Frequency Range (Hz)	47-63	47-63	47-63	47-63	47-63	47-63
Output Voltage (VDC)	12.8	12.8	12.8	12.8	12.8	12.8
Output Current (A)	200	250	300	200	250	300
Output Power (kW)	2.56	3.2	3.84	2.56	3.2	3.84
Efficiency (%)	94.5	94.5	94.5	94.5	94.5	94.5
AC Input Power (kW)	2.7	3.4	4.1	2.7	3.4	4.1
AC Input Current (A) @ 115V/120V	24.0	24.0	24.0	24.0	24.0	24.0
AC Input Current (A) @ 230V	12.0	12.0	12.0	12.0	12.0	12.0
AC Input Current (A) @ 230V 50Hz	12.0	12.0	12.0	12.0	12.0	12.0
AC Input Current (A) @ 230V 60Hz	12.0	12.0	12.0	12.0	12.0	12.0
Output Voltage Regulation (%)	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5
Output Current Regulation (%)	±1.0	±1.0	±1.0	±1.0	±1.0	±1.0
Output Power Regulation (%)	±1.0	±1.0	±1.0	±1.0	±1.0	±1.0
Output Voltage Accuracy (%)	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5
Output Current Accuracy (%)	±1.0	±1.0	±1.0	±1.0	±1.0	±1.0
Output Power Accuracy (%)	±1.0	±1.0	±1.0	±1.0	±1.0	±1.0
Output Voltage Ripple (%)	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5
Output Current Ripple (%)	±1.0	±1.0	±1.0	±1.0	±1.0	±1.0
Output Power Ripple (%)	±1.0	±1.0	±1.0	±1.0	±1.0	±1.0
Output Voltage Accuracy (mV)	±5	±5	±5	±5	±5	±5
Output Current Accuracy (mA)	±10	±10	±10	±10	±10	±10
Output Power Accuracy (W)	±10	±10	±10	±10	±10	±10
Output Voltage Accuracy (mV)	±5	±5	±5	±5	±5	±5
Output Current Accuracy (mA)	±10	±10	±10	±10	±10	±10
Output Power Accuracy (W)	±10	±10	±10	±10	±10	±10

[Download the Spec Sheet](#)

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 69 kg