

# FXR/VFXR A-Series

60Hz, 120V Inverter/Chargers



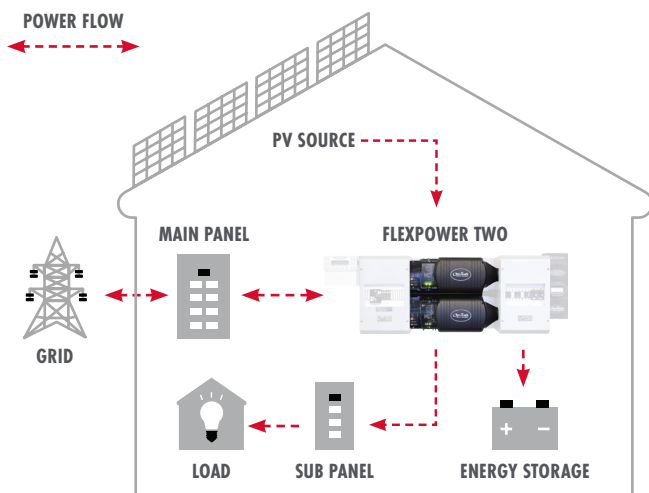
SEALED (FXR)

VENTED (VFXR)

- Modular, stackable: up to nine units can be combined for three-phase operation and ten in parallel, single-phase or series/parallel, split-phase operation
- Seven different programmable operating modes, with generator assist
- GridZero operating mode minimizes grid dependence in areas where incentives are changing and utility sell-back is limited
- Sinewave output in 12V, 24V or 48V versions with a typical operating efficiency up to 93%
- Sealed Models: 2000VA, 2500VA or 3000VA  
Vented Models: 2800VA, 3500VA or 3600VA

**Capable of off-grid or grid-connected operation in a single model, FXR inverter/chargers provide system designers with unprecedented flexibility and compatibility for nearly any power conversion scenario.**

Available in power ranges from 2000 to 3600W, multiple units may be stacked and connected with other OutBack electronics for 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 with the 12V, 24V or 48V models, and up to 36kW in a grid-tied 24V or 48V system. The exclusive modular system architecture means that increased power output is just an additional FXR inverter/charger away. FXR inverter/chargers can be paired with a MATE3s to add OPTICS RE to monitor and control system performance from any location. Available in sealed or vented units with NEMA type 1 die-cast aluminum chassis, FXR inverter/chargers are designed to operate in the harshest environmental conditions such as high temperatures, humidity or corrosive salt air. FXR inverter/chargers provide absolute dependability in mission-critical installations no matter how harsh or challenging the conditions.



Models:	Sealed			Vented		
	FXR2012A	FXR2524A	FXR3048A	VFXR2812A	VFXR3524A	VFXR3648A
<b>Instantaneous Power</b> (100ms)	4800VA	6000VA	6000VA	4800VA	6000VA	6000VA
<b>Surge Power</b> (5 sec)	4500VA	5400VA	5400VA	4500VA	5400VA	5400VA
<b>Peak Power</b> (30 min)	2500VA	3200VA	3200VA	3200VA	4000VA	4000VA
<b>Continuous Power Rating</b> (@ 25 °C)	2000VA	2500VA	3000VA	2800VA	3500VA	3600VA
<b>Nominal DC Input Voltage</b>	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
<b>AC Output Voltage</b> (selectable)	120VAC (100 to 130VAC)	120VAC (100 to 130VAC)	120VAC (100 to 130VAC)	120VAC (100 to 130VAC)	120VAC (100 to 130VAC)	120VAC (100 to 130VAC)
<b>AC Output Frequency</b> (selectable)	60Hz (50Hz)	60Hz (50Hz)	60Hz (50Hz)	60Hz (50Hz)	60Hz (50Hz)	60Hz (50Hz)
<b>Continuous AC Output Current</b> (@ 25 °C)	16.7AAC	20.8AAC	25AAC	23.3AAC	29.2AAC	30AAC
<b>Idle Power</b>	Full: ~34W Search: ~9W Off: ~3W			Full: ~34W Search: ~9W Off: ~3W		
<b>Typical Efficiency</b>	90%	92%	93%	90%	92%	93%
<b>CEC Weighted Efficiency</b>	Not applicable	Not applicable	91%	Not applicable	90.5%	91%
<b>Total Harmonic Distortion</b>	Typical: <2% Maximum: <5%			Typical: <2% Maximum: <5%		
<b>Output Voltage Regulation</b>	±2.5%	±2.5%	±2.5%	±2.5%	±2.5%	±2.5%
<b>AC Input Voltage Range</b> (MATE3s Adjustable)	85 to 140VAC	85 to 140VAC	85 to 140VAC	85 to 140VAC	85 to 140VAC	85 to 140VAC
<b>AC Input Frequency Range</b>	54 to 66Hz (45 to 55Hz)	54 to 66Hz (45 to 55Hz)	54 to 66Hz (45 to 55Hz)	54 to 66Hz (45 to 55Hz)	54 to 66Hz (45 to 55Hz)	54 to 66Hz (45 to 55Hz)
<b>Grid-Interactive Voltage Range</b>	—	106 to 132VAC	106 to 132VAC	—	106 to 132VAC	106 to 132VAC
<b>Grid-Interactive Frequency Range</b>	—	59.3 to 60.5Hz	59.3 to 60.5Hz	—	59.3 to 60.5Hz	59.3 to 60.5Hz
<b>Maximum AC Input Current</b>	60AAC	60AAC	60AAC	60AAC	60AAC	60AAC
<b>Continuous Battery Charge Output</b>	100ADC	55ADC	35ADC	125ADC	82ADC	45ADC
<b>Maximum Battery Charging</b>	AC: 14AAC DC: 100ADC Power: 1360VA	AC: 14AAC DC: 55ADC Power: 1500VA	AC: 14AAC DC: 35ADC Power: 1900VA	AC: 18AAC DC: 125ADC Power: 1700VA	AC: 20AAC DC: 82ADC Power: 2230VA	AC: 60AAC DC: 45ADC Power: 2450VA
<b>Advanced Battery Charging</b>	Flooded, gel, AGM, lithium-ion and flow chemistry			Flooded, gel, AGM, lithium-ion and flow chemistry		
<b>DC Input Voltage Range</b>	10.5 to 17VDC	21 to 34VDC	42 to 68VDC	10.5 to 17VDC	21 to 34VDC	42 to 68VDC
<b>Accessory Ports</b>	Remote temperature sensor (included), MATE3s and HUB communications			Remote temperature sensor (included), MATE3s and HUB communications		
<b>Warranty</b>	Standard 5 year, extended 10 year available			Standard 5 year, extended 10 year available		
<b>Weight (lb/kg)</b>	Unit: 62 / 29 Shipping: 67 / 30			Unit: 61 / 28 Shipping: 67 / 30		
<b>Dimensions H × W × L (in/cm)</b>	Unit: 13 × 8.25 × 16.25 / 21.75 × 13 × 22 Shipping: 21.75 × 13 × 22 / 55 × 33 × 56			Unit: 13 × 8.25 × 16.25 / 21.75 × 13 × 22 Shipping: 21.75 × 13 × 22 / 55 × 33 × 56		
<b>Temperature Range</b>	Rated: -20 to 50 °C Operating: -40 to 60 °C Storage: -40 to 60 °C			Rated: -20 to 50 °C Operating: -40 to 60 °C Storage: -40 to 60 °C		
<b>Relative Humidity Rating</b>	93%	93%	93%	93%	93%	93%
<b>Listings/Certifications</b>	UL1741, CSA C22.2 No. 107.1, UL1778, Annex FF			UL1741, CSA C22.2 No. 107.1, UL1778, Annex FF		
<b>RoHS Compliant</b>	Yes	Yes	Yes	Yes	Yes	Yes