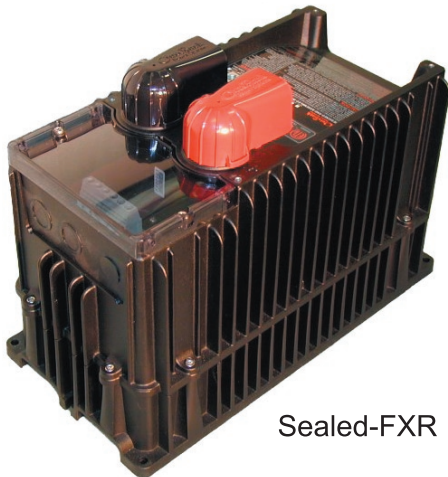


Sinewave Inverter - Charger (Combi-Unit)



Sealed-FXR



Pure sinewave



Charger



Transfer switch



Stand-by mode



Remote control port



Extended temperature range



Multiple electronic protection



Waterproof (FXR-Version)



Programmable (optional)



Digital display (optional)

Applications

- Marine & other rugged environments
 - Electric Utilities and Substations
 - Base Station Power
 - Industrial Controls
 - Emergency Power Backup (UPS)
- FXR-Version** specially designed for:
- Tropical climates
 - Demanding environments

Sinewave Inverter

Series Outback VFXR / FXR

Description

The latest, most advanced features on the industry's most trusted and proven platform—that's the essence of the new FXR Series of Grid/Hybrid inverterchargers. Capable of off-grid or grid-connected operation in a single model.

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 OB 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 with the 12V, 24V or 48V models, and up to 30kW in a grid-tied 24V or 48V system. The exclusive modular system architecture means that increased power output is just an additional FXR invertercharger away.

Features

- Ruggedized / Tropicalized
- FXR-Version waterproof to, IP 62
- Bug-proof construction, all openings are $\lt; \varnothing 0.8\text{mm}$ to keep out dirt (VFXR)
- Environmentally Tolerant
- Built-in intelligent PFC Battery Charging System up to 120 A continuous charging current
- 3-Stage charge regulation mode
- Built-in 30A AC-Transferswitch
- Networked communications
- Programmable AUX output
- Programmable for seven different modes with generator assist.
- Smooth, true sinewave AC output
- Inverterchargers can be stacked from 3000W up to 30kW of continuous AC power
- Remote control optional available

Specifications (Specifications Subject to Change Without Notice)

Inverter/Charger Model		FXR2012	FXR2024	FXR2348	VFXR2612	VFXR3024	VFXR3048
Electrical Specifications Inverter							
Nominal DC-Input Voltage	VDC	12	24	48	12	24	48
DC-Input Range (adjustable low battery cut-out)	VDC	10.5 - 17	21 - 34	42 - 68	10.5 - 17	21 - 34	42 - 68
Nominal AC-Output	VAC / Hz	230 / 50 (120 / 60 Version available)					
Output Voltage Regulation	%	+/- 2.5					
Continuous Power Rating at 25° C	VA	2000	2000	2300	2600	3000	3000
Derating above 25° C ambient temperature	VA/°C	-20VA/°C	-20VA/°C	-23VA/°C	-26VA/°C	-30VA/°C	-30VA/°C
Overload (from 25° C start) 30min	VA	2500	3100	3100	3100	3300	3300
Overload (from 25° C start) 5 sec	VA	4300	5175	5175	4300	5175	5175
Overload (from 25° C start) surge	VA	4600	5750	5750	4600	5750	5750
Continuous AC-Output	AAC RMS	8.7	8.7	10	11.3	13	13
Maximum Output Current	AAC Peak	28	35	35	28	35	35
Maximum Output Current	AAC RMS	20	25	25	20	25	25
Typical Efficiency	%	90	92	93	90	92	93
Total Harmonic Distortion (typ/max)	%	<2 / <5					
Idle Power	Full	~34	~34	~34	~34	~34	~34
	Search	~9	~9	~9	~9	~9	~9
	Off	~3	~3	~3	~3	~3	~3
Electrical Specifications Charger							
AC-Input Voltage Range	VAC	170 - 290					
AC-Input Frequency Range	Hz	45 - 55					
AC-Input Current max (adjustable limits)	AAC	30					
Continuous Battery Charge Current (adjustable)	ADC	100	55	35	120	80	40
Charge Characteristics		3-stage (bulk, absorb, float)					
Battery temperature compensation	VDC	0.03/°C	0.06/°C	0.12/°C	0.03/°C	0.06/°C	0.12/°C
Specifications Transferswitch							
Current capacity	AAC	30					
Other Specifications							
AC Input Tare Loss	VA	0	0	0	0	0	0
Grid-Interactive Voltage Range	VAC	N/A	208 to 252	208 to 252	N/A	208 to 252	208 to 252
Grid-Interactive Frequency Range	Hz	N/A	47 to 51	47 to 51	N/A	47 to 51	47 to 51
Fan		Load and temperature controlled					
Operating temperature range	°C	- 40 to 60					
Relative Humidity rating	%	93					
Dimensons (LxWxH)	cm	41 x 21 x 33				41 x 21 x 30	
Weight	Kg	29				28	
Certifications		IEC 62109-1, CE					
RoHS Compliance		YES					

Available from:



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The power conversion company

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