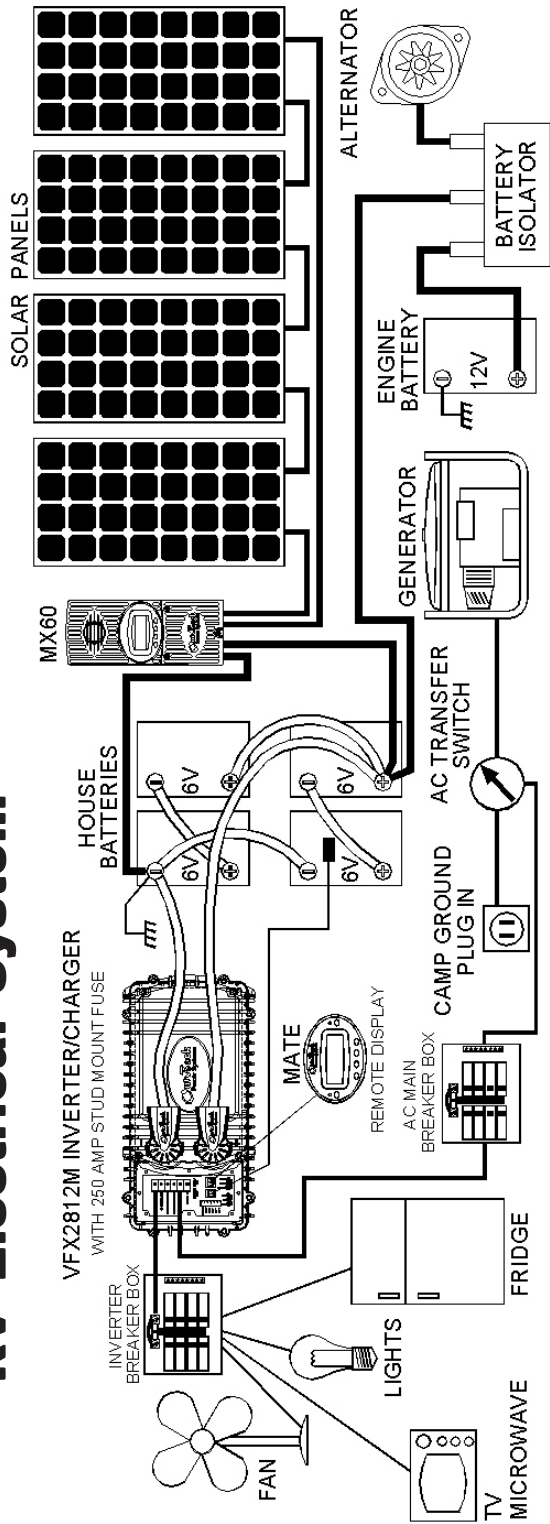


RV Electrical System



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OutBack Power Systems Mobile

Sinewave Inverter/Chargers



FX2012MT
Sealed Version
Extremely Rugged Design
(Shown with Turbo option)

Made in USA



VFX2812M
Ventilated Version
Bug Proof Construction

Made in USA



ETL Listed to UL458 Specifications
The Mobile Standard

Also Available in 24 Volt and Export (50 Hz) versions



ULTRA CLEAN AC POWER

Smooth, true sinewave AC output waveform -not an old fashioned modified Sinewave/Squarewave.

EXTREMELY RUGGED

Built to survive dust, bugs, even rain and salt air. Choice of sealed FX or bug-proof VFX versions. Installation of the inverter in an RV is now less of a problem.

EXTREMELY EFFICIENT

Get more power out of your batteries - run larger AC loads longer.

INTELLIGENT BATTERY CHARGER

Advanced charging algorithms provide fast recharging while increasing battery life. Powerful: up to 125 amps.

VERY QUIET

The sealed FX inverters are virtually silent. The bugproof VFX inverters only have a variable speed thermostatically controlled fan. No more transformer buzz to annoy you.

EASY SYSTEM EXPANSION

Systems can grow with your needs - Stack inverters in parallel for more power, or in series for 120/240.

SERVICEABLE

Both FX and VFX inverterchargers can be upgraded or serviced - even in the field.

DEFEATABLE NEUTRAL TO GND SWITCHING

Ground switching can be defeated for non-mobile applications or for multiple Inverter installations.

CAPABLE TECH SUPPORT HELP

You can call or email and ask questions of the engineers that designed your products - Tech support doesn't get any better than that.

COOLNESS FACTOR

These inverters have a built in "WOW" factor to impress the neighbors and in-laws.



FEATURES AVAILABLE THROUGH THE MATE

- AC/DC Voltage/Current meters
- On/Off Control of Inverter and Charger
- Selection of AC Cord Amperage
- Start/Stop Generator Control
- Errors and Warnings Displays
- Programming of Inverter and Charger Operation
- Real time clock with battery backup
- Backlit 4 line display with 80 characters
- Simple plug in wire connection
- PC Computer Serial Connection Port (Software Optional)



INVERTER SERIES	FX	VFX
Sinewave output waveform	X	X
Modular Building Block Design	X	X
Sealed Construction	X	
Ventilated Construction		X
Ruggedized / Tropicalized	X	X
Rain-proof / Splash-proof	X	
Bug-proof Construction	X	X
Die-Cast Aluminum Chassis	X	X
High Temperature Tolerant	X	X
Built-in Battery Charging System	X	X
Built-in 30amp AC transfer Switch	X	X
Automatic Charger Back-Off	X	X
Compact Size	X	X
Progammable AUX output	X	X
Two wire gen start	X	X
Cooling fan power	X	X

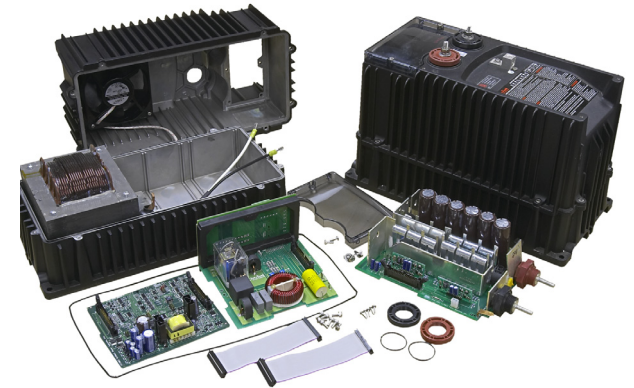


RV-Inverter/Chargers - 120VA 60Hz

Inverter/Chargers Model No.	FX2012MT	FX2024M	VFX2812M	VFX3524M
Continuous Power Rating 25° C	2000W	2000W	2800W	3500W
Nominal DC Input Voltage	12	24	12	24
Nominal AC Input Voltage/Frequency	120VAC / 60Hz			
Continuous AC RMS Output Current	17 amps	17 amps	23.3 amps	29.2amps
Idle Power (Sleep-<3watts)	19-21W	18-20W	19-21W	18-20W
Efficiency at 75% power & 25° C	>90%	92%	>90%	>90%
Total Harmonic Distortion (typ/max)	2% / 5%			
Output Voltage Regulation	±2% TYP			
Surge Power Peak (1mSec) AC	56amps	70 amps	56 amps	70 amps
Surge Power RMS (100mSec) AC	40amps	50 amps	40 amps	50 amps
Overload (from 25° C start) 5 sec	4000W	4800W	4000W	5000W
Overload (from 25° C start) 30min	2500W	3200W	3200W	4000W
Automatic AC transfer Relay	30 amps AC			
AC Input Current (adjustable limits)	30 amps AC			
AC Input Voltage Range	80-150VAC			
Frequency Range - AC Input	50-70 Hz			
DC Input Range	10-16V	20-33V	10-16V	20-33V
Recommended DC Breaker	OBDC-250	OBDC-175	OBDC-250	OBDC-250
Continuous Battery Charger amps DC	100	55	125	85
Shipping Weight	63 Lbs	60 Lbs	62 Lbs	

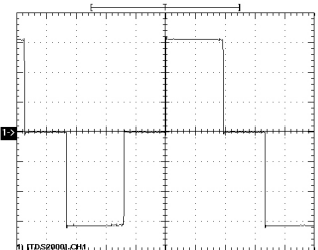
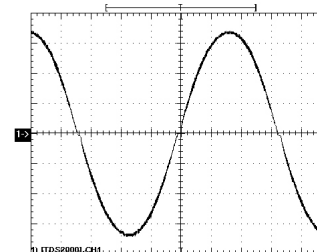
Disassembled FX Series

Assembled FX Series



WAVEFORMS

Typical "Brand X" RV Modified Sinewave Inverter Waveform Up to 40% Distortion



Typical OutBack FX or VFX series AC output waveform 2% Distortion

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