



Now in stock. 2000W to 3000W modular inverters which are made to work in many different configurations. Sealed, cast aluminum case. Great for dusty, wet, or salty environments. The concept is to combine the surge-handling of a transformer with the ability to precisely control wave-form using numerous solid state transistors. Includes AC charger and transfer relay.



Picture of the first prototype

**Off-Grid
Export 230VAC 50Hz**

Specifications

<i>Sealed</i> Inverter/Charger Models	FX2012ET	FX2024ET	FX2348ET
Continuous Power @ 25 ° C	2000W	2000W	2300W
<i>Vented</i> Inverter/Charger Models	VXF2612E	VFX3024E	VFX3048E
Continuous Power @ 25 ° C	2600W	3000W	3000W

Off-Grid Export Version - 230VAC 50Hz

		<i>Sealed Models</i>			<i>Vented Models</i>		
		FX2012ET	FX2024ET	FX2348ET	VFX2612E	VFX3024E	VFX3048E
Nominal DC Input Voltage		12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
Continuous Power Rating 25° C		2000VA	2000VA	2300VA	2600VA	3000VA	3000VA
Nominal AC Input Voltage/Frequency		230VAC / 50Hz	230VAC / 50Hz	230VAC / 50Hz	230VAC / 50Hz	230VAC / 50Hz	230VAC / 50Hz
Continuous AC RMS Output @ 25° C		8.7 amps AC	8.7 amps AC	10.0 amps AC	11.3 amps AC	13.0 amps AC	13.0 amps AC
Idle Power	Full	~ 20 Watts	~ 20 Watts	~ 20 Watts	~ 20 Watts	~ 20 Watts	~ 20 Watts
	Search	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts	~ 6 Watts
Typical Efficiency		90%	92%	93%	90%	92%	93%
Total Harmonic Distortion	Typical	2%	2%	2%	2%	2%	2%
	Maximum	5%	5%	5%	5%	5%	5%
Output Voltage Regulation		+/- 2%	+/- 2%	+/- 2%	+/- 2%	+/- 2%	+/- 2%
Surge Power Peak (1mSec)		28 amps AC	35 amps AC	35 amps AC	28 amps	35 amps AC	35 amps AC
Surge Power RMS (100mSec)		20 amps AC	25 amps AC	25 amps AC	20 amps AC	25 amps AC	25 amps AC
Overload (from 25° C start)	Surge	4600VA	5750VA	5750VA	4600VA	5750VA	5750VA
	5 sec	4000VA	4800VA	4800VA	4000VA	4800VA	4800VA
	30 min	2500VA	3100VA	3100VA	3100VA	3300VA	3300VA
AC Input Current Maximum		30 amps AC	30 amps AC	30 amps AC	30 amps AC	30 amps AC	30 amps AC
AC Input Voltage Range (MATE Adjustable)		160 to 300 VAC	160 to 300 VAC	160 to 300 VAC	160 to 300 VAC	160 to 300 VAC	160 to 300 VAC
AC Input Frequency Range		44 to 56 Hz	44 to 56 Hz	44 to 56 Hz	44 to 56 Hz	44 to 56 Hz	44 to 56 Hz
DC Input Range		10.5 to 17.5 VDC	21.0 to 34.0 VDC	42.0 to 68.0 VDC	10.5 to 17.5 VDC	21.0 to 34.0 VDC	42.0 to 68.0 VDC
Continuous Battery Charger Output		100 amps DC	55 amps DC	35 amps DC	120 amps DC	85 amps DC	42 amps DC
Recommended DC Breaker		OBDC-250	OBDC-175	OBDC-100	OBDC-250	OBDC-250	OBDC-175
Warranty		Standard 2 year / Optional 5 year			Standard 2 year / Optional 5 year		
Weight	Unit	56 lbs (25 kg)			54 lbs (25 kg)		
	Shipping	67 lbs (30 kg)			62.2 lbs (28 kg)		
Dimensions	Unit	13 x 8.25 x 16.25" (33 x 21 x 41 cm)			12 x 8.25 x 16.25" (30 x 21 x 41 cm)		
	Shipping	21.75 x 13 x 22" (55 x 33 x 56 cm)			21.75 x 13 x 22" (55 x 33 x 56 cm)		