



FX & VFX Series Specifications - 60Hz / 230V

		Sealed Models		Vented Models	
		FX2024WT	FX2348WT	VFX3024W	VFX3048W
Nominal DC Input Voltage		24VDC	48VDC	24VDC	48VDC
Continuous Power Rating at 25°C		2000VA	2300VA	3000VA	3000VA
AC Voltage/Frequency		230VAC 60Hz	230VAC 60Hz	230VAC 60Hz	230VAC 60Hz
Continuous AC RMS Output at 25°C		8.7 amps AC	10 amps AC	13 amps AC	13 amps AC
Idle Power	Full	≈ 20W	≈ 23W	≈ 20W	≈ 23W
	Search	≈ 6W	≈ 6W	≈ 6W	≈ 6W
Typical Efficiency		92%	93%	92%	93%
Total Harmonic Distortion	Typical (V)	2%	2%	2%	2%
	Maximum (V)	<5%	<5%	<5%	<5%
Output Voltage Regulation		± 2%	± 2%	± 2%	± 2%
Maximum Output Current	Peak	35 amps AC	35 amps AC	35 amps AC	35 amps AC
	RMS	25 amps AC	25 amps AC	25 amps AC	25 amps AC
AC Overload Capability	Surge	5750VA	5750VA	5750VA	5750VA
	5 Second	4800VA	4800VA	4800VA	4800VA
	30 Minutes	3100VA	3100VA	3100VA	3100VA
AC Input Current Maximum		30 amps AC	30 amps AC	30 amps AC	30 amps AC
AC Input Voltage Range (MATE Adjustable)		160 to 300VAC	160 to 300VAC	160 to 300VAC	160 to 300VAC
AC Input Frequency Range		54 to 66Hz	54 to 66Hz	54 to 66Hz	54 to 66Hz
DC Input Voltage Range		21.0 to 34.0VDC	42.0 to 68.0VDC	21.0 to 34.0VDC	42.0 to 68.0VDC
Continuous Battery Charge Output		55 amps DC	35 amps DC	85 amps DC	45 amps DC
Temperature Range	Rated	0°C to 50°C (power derated above 25°C)		0°C to 50°C (power derated above 25°C)	
	Maximum*	-25°C to 60°C		-25°C to 60°C	
Warranty		Standard 5 year		Standard 5 year	
Weight	Unit	62 lbs (31 kg)		61 lbs (31 kg)	
	Shipping	67 lbs (31 kg)		67 lbs (31 kg)	
Dimensions (H x W x L)	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)	

* Functions, but does not necessarily meet all component specifications.

Scaling new heights in power generation

Rifugio Alimonta climbing lodge in the Italian Alps

The Dolomites have been a destination of world-class mountaineers for centuries. Its iconic peaks draw climbers and hikers from around the world, attracted by both the beauty and the challenge. The Rifugio (refuge) Alimonta was conceived and built to be their home away from home while exploring the peaks: a combination base, lodge and cafeteria at 8,464 ft./2,580m altitude beautifully integrated into its magnificent surroundings. Of course, being several kilometers higher than the closest electrical grid means that



offgrid operation is a given—and with “next day air” wishful thinking, the choice of off-grid system components was driven by which brand could provide the ultimate balance between reliability and performance. Based on that criteria, the choice of off-grid power components for this installation came down to a field of one: OutBack. After all, for anyone or anything representing a peak of excellence the old saying holds true: it’s always lonely at the top.