

FLEXware™ Surge Protector

The OutBack Power Technologies FLEXware Surge Protector is a seamlessly integrated balance-of-system component for the FX Series Inverter/Charger. The FLEXware Surge Protector was designed by OutBack engineers specifically for OutBack FX Series Inverter/Chargers, and provides multiple levels of protection for the vital electrical components of the Inverter/Charger in the event of an electrical surge. The sophisticated design allows for both AC and DC protection on multiple circuits (two AC and one DC) via thermally fused Metal Oxide Varistors (MOVs). LED visual indicators provide at-a-glance status monitoring allowing system users to determine FLEXware Surge Protector operational status in real-time. The FLEXware Surge Protector is designed to operate between 120 to 240 VAC at 50/60 Hz and 12 to 48 VDC. Its multiple mounting configurations allow it to be incorporated into any OutBack system. The FW-SP-ACA mounts inside the FW-ACA for FLEXware 500 and 1000 systems, while the FW-SP-250 is designed to mount inside the FLEXware 250 AC Side Breaker Enclosure allowing for quick installations that keep your system protected and looking great.

The OutBack Power Technologies FLEXware Surge Protector is the only choice when you want to protect your FX Series Inverter/Charger from the harmful effects of transient power surges. Ease of installation and seamless integration make it the obvious addition to your OutBack system.



FLEXware™ Surge Protector Specifications

		FW-SP-ACA	FW-SP-250	FW-SP-R
Nominal Voltage		120-240VAC/12-48VDC	120-240VAC/12-48VDC	120-240VAC/12-48VDC
Voltage Protection Level		390VAC/150VDC	390VAC/150VDC	390VAC/150VDC
AC or DC		AC/DC	AC/DC	AC/DC
Maximum Surge Current (8/20 μs)		30kA per circuit	30kA per circuit	30kA per circuit
Energy Rating		2500 joules	2500 joules	2500 joules
Frequency		50/60 Hz	50/60 Hz	50/60 Hz
Protection Type		Thermally Fused MOV	Thermally Fused MOV	Thermally Fused MOV
Number of Protected Circuits		Two AC & One DC	Two AC & One DC	Two AC & One DC
Mounting		FW-ACA	FW-250	Replacement Board (FW-SP-ACA, FW-SP-250)
Weight	Unit	1 lbs 4 oz (.57 kg)	1 lbs 2.5 oz (.52 kg)	7.5 oz (.21 kg)
	Shipping	2 lbs 2 oz (.96 kg)	2 lbs (.91 kg)	1 lb 2.2 oz (.516 kg)
Dimensions (H x W x L)	Unit	8.5 x 6.75 x 2.5" (21.59 x 17.15 x 6.35 cm)	5.5 x 6.5 x 7.5" (13.97 x 16.51 x 19.05 cm)	7.75 x 5.5 x 1.5" (19.69 x 13.97 x 3.81 cm)
	Shipping	10.13 x 9.13 x 5.75" (25.72 x 23.2 x 14.6 cm)	10 x 7.25 x 6" (25.4 x 18.42 x 15.24 cm)	9.38 x 7.25 x 2.5" (23.81 x 18.42 x 6.35 cm)