



FLEXware Surge Protectors

System Components and Accessories



Features:

- Transient voltage surge suppression for FXR series inverter/chargers
- Ease of installation and seamless integration
- AC and DC protection on multiple circuits (two AC and one DC) via thermally fused metal oxide varistors (MOVs)
- FW-SP-ACA mounts inside the FW-ACA for FLEXware 500 and 1000 systems
- FW-SP-250 is designed to mount inside the FLEXware 250 AC side breaker enclosure

FLEXware Surge Protectors Specifications

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Models	FW-SP-ACA	FW-SP-250	FW-SP-R
Description	FW-ACA with FLEXware surge protector for FLEXware 500 and FLEXware 1000	FLEXware 250 compatible FLEXware surge protector	Replacement FLEXware surge protector
Nominal Voltage	120 to 240VAC/12 to 48VDC	120 to 240VAC/12 to 48VDC	120 to 240VAC/12 to 48VDC
Voltage Protection Level	390VAC/150VDC	390VAC/150VDC	390VAC/150VDC
AC or DC	AC/DC	AC/DC	AC/DC
Maximum Surge Current (8/20μs)	30kA per circuit	30kA per circuit	30kA per circuit
Energy Rating	2500 joules	2500 joules	2500 joules
Frequency	50/60Hz	50/60Hz	50/60Hz
Protection Type	Thermally fused MOV	Thermally fused MOV	Thermally fused MOV
Number of Protected Circuits	(2) AC and (1) DC	(2) AC and (1) DC	(2) AC and (1) DC
Mounting	FW-ACA	FW-250	Replacement board (FW-SP-ACA, FW-SP-250)
Operating Temperature Range	-40 to 60°C	-40 to 60°C	-40 to 60°C
Weight (lb/kg)	Unit: 1.3 / 0.57 Shipping: 2.1 / 0.96	Unit: 1.15 / 0.52 Shipping: 2 / 0.91	Unit: 0.47 / 0.21 Shipping: 1.15 / 0.52
Dimensions H x W x L (in/cm)	Unit: 8.5 x 6.75 x 2.5 / 21.59 x 17.15 x 6.35 Shipping: 10.13 x 9.13 x 5.75 / 25.72 x 23.2 x 14.6	Unit: 5.5 x 6.5 x 7.5 / 13.97 x 16.51 x 19.05 Shipping: 10 x 7.25 x 6 / 25.4 x 18.42 x 15.24	Unit: 7.75 x 5.5 x 1.5 / 19.69 x 13.97 x 3.81 Shipping: 9.38 x 7.25 x 2.5 / 23.81 x 18.42 x 6.35

Preliminary specifications are subject to change.

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