



# 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

02/2019

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