

M-Ti PVA Series

DC & Photovoltaic Surge Protection Device



The PVA Series SPD is UL recognized in accordance with the UL 1449 4th Edition Standard as a DC SPD for use in DC and PV applications.

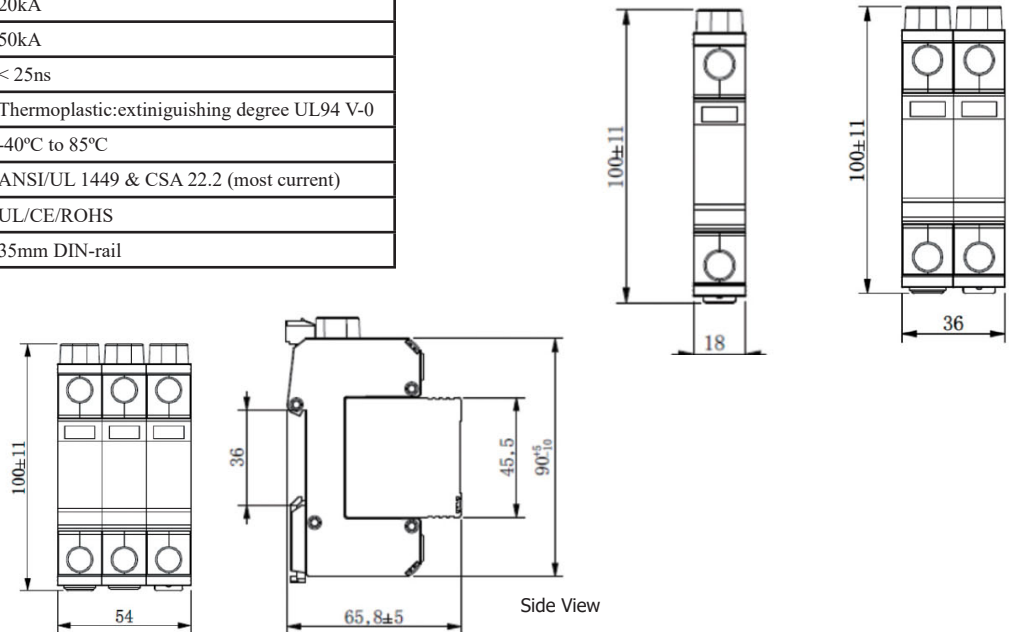
These Type 1CA & Type 2CA Surge Protection Devices are for use in Type 1, Type 2, Photovoltaic and DC Systems. They are pluggable devices designed with **window fault indicators** for easy monitoring and replacement.

The PVA SPD's are available in 3 configurations: "1" (Single Mode), "V" (Common Mode) and "Y" (Differential Mode) making them perfect for multiple applications. They are **highly reliable** due to the patented thermally protected MOV's employed. Units do not require additional front end safety fusing.

Product Specifications

Voltage Protection Rating	<1.5kV
I_n	20kA
I_{max} Maximum Discharge Current (8/20)	50kA
Response Time	< 25ns
Enclosure	Thermoplastic:extinguishing degree UL94 V-0
Operating Temperature	-40°C to 85°C
Safety Standards	ANSI/UL 1449 & CSA 22.2 (most current)
Approvals/Certifications	UL/CE/ROHS
Mounting	35mm DIN-rail

Dimensions (Diagrams not drawn to scale)



Model Number	# of Poles	Nominal (Vdc)	Max Permitted DC Voltage	Nominal I_n 8x20 μ s kA	I Max (8x20 μ s) kA	VPR kV	SCCR Rating kArms
PVA50-1P-048i-S	1	48V	85V	20kA	50kA	400V	30,000
PVA50-1P-500i-S	1	500V	550V	20kA	50kA	1500V	100,000
PVA50-1P-600i-S	1	600V	670V	20kA	50kA	1500V	50,000
PVA50-2P-048v-S	2	48V	85V	20kA	50kA	400V	30,000
PVA50-2P-500v-S	2	500V	550V	20kA	50kA	1500V	100,000
PVA50-2P-600v-S	2	600V	670V	20kA	50kA	1500V	50,000
PVA50-3P-600y-S	3	600V	700V	20kA	50kA	1800V	50,000
PVA50-3P-800y-S	3	800V	920V	20kA	50kA	2500V	50,000
PVA50-3P-1000y-S	3	1000V	1120V	20kA	50kA	2500V	50,000
PVA50-3P-1200y-S	3	1200V	1340V	20kA	50kA	3000V	50,000
PVA50-3P-1500y-S	3	1500V	1500V	20kA	50kA	4000V	50,000
PVA50-5P-600y-S	5	600V	700V	20kA	50kA	1800V	50,000
PVA50-5P-800y-S	5	800V	920V	20kA	50kA	2500V	50,000
PVA50-5P-1000y-S	5	1000V	1120V	20kA	50kA	2500V	50,000
PVA50-5P-1200y-S	5	1200V	1340V	20kA	50kA	3000V	50,000
PVA50-5P-1500y-S	5	1500V	1500V	20kA	50kA	4000V	50,000

All product dimensions provided are ± 0.125

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