

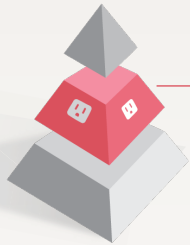


ALLTEC

DynaShield®

Surge Protection Device

ADPV Series



Surge Protection
Part of THE ALLTEC
PROTECTION PYRAMID®

FEATURES:

- High surge current capacity
- Designed for maximum reliability
- Easy installation
- Thermally protected MOV technology
- Replaceable suppression Modules



Product Description

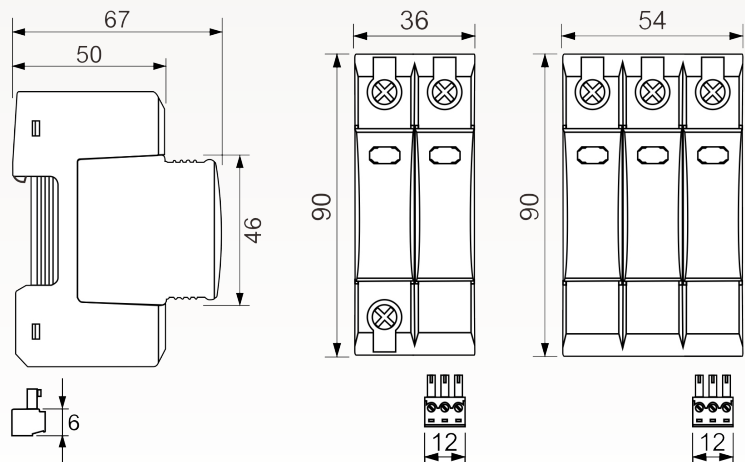
Alltec's ADPV Series is designed to protect DC photovoltaic and wind power systems against lightning and transient surges.

It offers a convenient DIN rail base with replaceable suppression modules, status window, and remote alarm contacts.

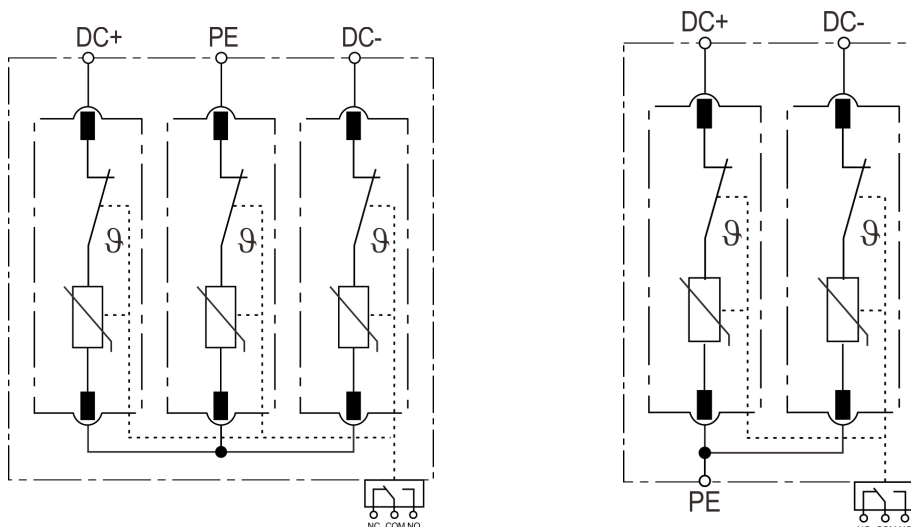
This SPD is available in 2 pole (600 VDC) or 3 pole (1000 and 1500 VDC) to protect all common Solar DC applications.

The ADPV-DC Series employ fast acting, high energy, thermally protected metal oxide varistors (MOV) in their suppression circuits. ADPV products are equipped with a visual status window to monitor their operation

Dimensions



Standard Configurations



Specifications

Model	ADPV600/2P	ADPV1000/3P	ADPV1500/3P
Designed & Tested To	IEC61643-31:2018; UL 1449 4th Edition		
IEC Arrester Category	Class II		
Technology	Thermally Protected MOV		
Maximum Continuous Operating Voltage (Uc)	600 Vdc	1000 Vdc	1500 Vdc
Nominal Discharge Current In (8x20µs)	20 kA		
Maximum Discharge Current I _{max} (8x20µs)	40 kA		
Voltage Protection Level (V _{pl})	1.5 kV	2.5 kV	4 kV
Short Circuit Current Rating (SCCR)	35 kV	50 kV	65 kV
Response Time	< 25 ns		
Visual Status Indication	Window: Green = Normal, Red = Replace		
Dry Relay Contacts (for remote annunciation)	Form C, Normally Closed and Normally Open Contacts		
Dry Contact Ratings	AC: 250V/0.5 A; DC: 250V/0.1A; 125V/0.2 A; 75V/0.5A		
Location Category	Indoor/Enclosed Only		
Method of Mounting	Fixed 35mm DIN rail, Reference EN 50022/DIN46277-3		
Dimension (H x W x D) (2 pole)	90 mm x 36 mm x 67 mm (3.6" x 1.4" x 2.64") DIN 43880		
Dimension (H x W x D) (3 pole)	90 mm x 54 mm x 67 mm (3.6" x 2.1" x 2.64") DIN 43880		
Weight (Max) (2 pole)	0.3 kg (0.66 lb)		
Weight (Max) (3 pole)	0.55 kg (1.21 lb)		
Maximum Wire Size (DC terminals)	Single strand 35 mm ² (#2 AWG), Multi strand 25 mm ² (#4 AWG)		
Stripping Length (DC Terminals)	12 mm (0.472")		
Torque (DC Terminals)	4.5 Nm (3.3 ft-lb)		
Maximum Wire Size (Relay Contacts)	1.5 mm ² (#16 AWG)		
Stripping Length (Relay Contacts)	7 mm (0.25")		
Torque (Relay Contacts)	0.2 Nm (0.146 ft-lb)		
Operating Temperature	-40°C to +70°C		
Relative Humidity	≤ 95% non condensing		
Altitude	≤ 2000 m		
Enclosure Protection Level	IP 20		
Housing Flammability Rating	Thermoplastic; Flammability rating: UL 94 V-0		
Certifications	TUV, CE, and RoHS compliant		



ALLTEC



WORLD HEADQUARTERS

64 Catalyst Drive, Canton, North Carolina 28716 USA

TEL: +1.828.646.9290 | FAX: +1.828.412.4270

EMAIL: online-info@alltecglobal.com