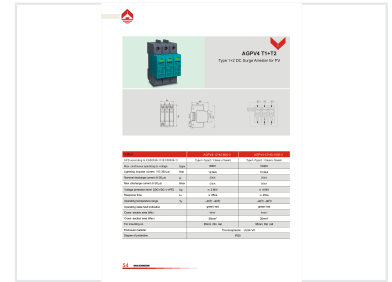
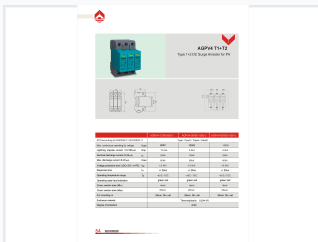


Photovoltaic Surge Protection Device

This surge protection device is designed for photovoltaic (PV) systems. It provides protection against voltage surges caused by lightning strikes or other electrical disturbances.



ADDITIONAL IMAGES



Overview

Advanced DC Surge Protection for PV Systems

This Type 1+2 DC Surge Arrester is specifically engineered to protect photovoltaic installations from voltage surges caused by lightning strikes and electrical disturbances. It offers a robust defense for L1, L2, and L3 circuits, ensuring the longevity of sensitive solar equipment. With a rapid response time and clear visual status indicators, it provides reliable, high-capacity protection for professional B2B solar energy projects.

Key Performance Metrics

Performance Highlights

60 kA

Max Discharge Current (I_{max})

25 kA

Nominal Discharge Current (I_n)

25 ns

Response Time (t_A)

Technical Specifications

Model Variants & Ratings

Model Series	Max Voltage (U _{cpv})	Impulse Current (I _{imp})	Protection Level (U _p)
AGPV4-12*60-600-3	600V	12.5kA	d3.4V
AGPV4-08*60-1000-3	1000V	8.5kA	d5.0V
AGPV4-06*60-1500-3	1500V	6.5kA	d6.5V
AGPV4-12*40-600-3	600V	12.5kA	d2.8V
AGPV4-12*40-1000-3	1000V	12.5kA	d4.0V

Installation & Environment

Degree of Protection

IP20

Wire Cross-Section Area

- Minimum: 4mm²
- Maximum: 35mm²

Mounting Method

35mm DIN rail

Operating Temperature

-40°C to 80°C

Construction & Safety

Visual Status Indicators

- Green: Normal Operation
- Red: Fault Condition

Enclosure Material

Thermoplastic UL94-V0

Standards

Compliance & Standards

EN50539-11, IEC50539-11, Type 1+2, Class I+II