

DC Photovoltaic Surge Protection Device

This surge protective device is designed for DC photovoltaic (PV) systems. It provides surge protection with a U_{cpv} of 1000VDC, an I_n of 20kA, an I_{max} of 40kA, and an U_p of 3.2kV.



ADDITIONAL IMAGES



Overview

Professional Surge Protection for PV Systems

This DC surge protection device is engineered specifically for photovoltaic systems, integrating both primary and secondary protection to safeguard sensitive electronic equipment. It features advanced arc extinction technology to prevent fire hazards and includes a temperature control protection circuit with built-in thermal protection. Designed for reliability, the unit provides rapid response times and includes a clear power status indicator for easy monitoring.

Technical Specifications

Rated Voltage (U_{cpv})	1000 VDC
Nominal Discharge Current (I_n)	20 kA
Maximum Discharge Current (I_{max})	40 kA
Voltage Protection Level (U_p)	3.2 kV

Certifications

Compliance & Standards	TUV, CE
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Features

Key Functional Features

- Integrated primary and secondary protection
- Large protection flow capacity
- Low residual pressure
- Fast response time
- Advanced arc extinction technology
- Temperature control protection circuit
- Built-in thermal protection
- Power status indicator

Performance Metrics

Core Performance Metrics

20 kA

Nominal Current

40 kA

Max Current

3.2 kV

Protection Level