

DC Surge Protection Device for Photovoltaic Systems

This surge protective device is designed for DC systems. It has a voltage rating of 1000VDC, a nominal discharge current of 20kA, and a maximum discharge current of 40kA.



ADDITIONAL IMAGES



Product Overview

Professional DC Surge Protection

This Surge Protective Device (SPD) is specifically engineered to safeguard photovoltaic (PV) DC systems against transient overvoltages and lightning impacts. By providing a rapid response to shunt peak electrical currents, it effectively prevents damage to sensitive electronic equipment and communication lines. Its robust design is optimized for high-performance industrial and residential solar power applications, ensuring system longevity and operational reliability.

Technical Specifications

Performance Metrics

1000 VDC

Max Continuous Operating Voltage (Uc)

20 kA

Nominal Discharge Current (In)

40 kA

Max Discharge Current (Imax)

3.8 kV

Voltage Protection Level (Up)

Protection Type

T2 • DC Application

Certifications & Standards

IEC61643-1

Installation & Use

Terminal Configuration

- DC+
- DC-
- PE