

# SUP2-DC T1 DC Series Surge Protection Devices



## Product Introduction

SUP2-DC Series surge protector is suitable for Photovoltaic power generation system. When the system has a surge overvoltage due to lightning or other reasons, the protector immediately turns on within nanoseconds, which will surge Overvoltage is introduced into the ground, thereby protecting the electrical equipment on the grid.

SUP2-DC Series is a plug-in structure, while can be quickly replaced after the module fails, the indicator window color changes from green to red when the lightning protection module fails, and an alarm signal is sent to the remote connected to protects remote signal terminal alarm equipment.

## Function:

### **Fail-out device:**

The SPD module is equipped with a failure-disengagement device. When the protector is overheated and the breakdown fails, the failure-disengagement device can automatically detach it from the grid and give an indication signal. The indicator box displays green when the protector is normal, and the indicator box displays red after the failure is detached.

### **Remote signal contact:**

SPD can be made into a product with contacts. If one or more modules of the protector fail, the contacts close and send out fault information.

Installed in parallel on the DC networks to be protected and provide common and different modes protection.

## Parameters:

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SUP2 series surge protector	SUP-DC	
Rated working voltage	500V/1000V/1200	
Nominal discharge current in(8/20 $\mu$ s)kA	20	
Max Nominal discharge current I <sub>max</sub> (8/20 $\mu$ s)kA	50	
Impact Discharge current(10/350)	7kA	
Voltage protection level(U <sub>p</sub> )kV	$\leq 2.0$	$\leq 4.5$
Response time(ns)	<20	
Operating temperature range	-40 $^{\circ}$ C + 80 $^{\circ}$ C	
Response time	<25ns	
Operating state/fault indication	green(good) Red(replace)	
Mounting	35mm standard din rail	
Degree of protection	IP20	
Capacity	3 Modules	
Pole	2P/3P	
Installation conditions:	In the medium without explosion hazard, there is no gas and dust (including electric dust) in the medium which is enough to corrode metal and damage the insulation.	

### Installation Size:

