

JXSPD40–PV1000 Series surge protector

Brief Introduction

Direct current surge protector JXSPD40–PV1000 is suitable for solar photovoltaic system, is a voltage limiting surge protector, used to prevent lightning over voltage and transient over voltage to photovoltaic DC power system damage, is to protect the DC power system over voltage of the solar special surge protector. With positive and negative ground-to-ground common mode protection and positive to negative differential mode protection, to ensure that the DC module inverter provides the most appropriate lightning protection, but also optional remote alarm function (remote status: normal: 1, 3 normally closed, fault: 1, 3 normally open). The DC surge protector is characterized by low output residual voltage and fast response time, especially when the lightning surge passes through the protector, the subsequent current will not appear. When the lightning arrester fails due to overheating, over current, or breakdown, the built-in failure trip device can automatically disconnect the arrester from the power grid. This product is grade C.



Warning

The product does not need daily maintenance, but it is necessary to check the lightning protection module regularly every year. If the color of the fault indicating window is found to be green to red, please contact our company or our offices in each province in time, so that our company can deal with it in time, relieve your worries and escort your safety.



peculiarity	Use advantage
Metal oxide varistor	Lightning protection can cope with frequent action, long life
Pluggable components	The surge arrester can be plugged in and out for testing or replacement
Deterioration window indicator	The working state of the lightning arrester is clear at a glance
Built-in instantaneous overcurrent short-circuit device	100% quality control, safe to use
Exquisite technology	It can work in acid, alkali, dust, salt spray and humid environment for a long time

JXSPD40–PV1000 Series surge protector

Technical parameters

Model number		JXSPD40–PV1000							
Maximum continuous operating voltage	Un DC	12V–	24V–	48V–	100V–	500V–	800V–	1000V–	1500V–
Lightning protection area	LPZ	1→2							
Demand level – according to DIN VDE 0675 Part 6(Draft 11.89)A1, A2 – according to IEC 61643–1		C class II level							
Test standard		IEC 61643–1 GB18802.1							
Nominal discharge current (8/20 μs)	In	20KA							
Maximum discharge current (8/20 μs)	I _{max}	40KA							
Voltage protection level	Up In	≤150V	≤200V	≤460V	≤800V	≤2.0kV	≤2.8kV	≤3.0kV	≤3.5kV
Response time	tA	<25ns							
Maximum backup fuse		125 A gI/gG							
Cross-sectional area of the cable		2.5–35mm ² (Single strand, multiple strand)							
		2.5–25mm ² (Multiple strands of flexible wire with sheath at the connecting end)							
Install		Clamp on 35mm guide rail (according to EN 50022)							
Protection class		IP 20							
Operating temperature range	°C	–40°C~+80°C							

Outline & Installation Dimension(mm)

The JXSPD40–PV1000 can be easily installed on a 35mm guide rail in any distribution box or switch box.

