

PV Surge Protector

SUP-1000C

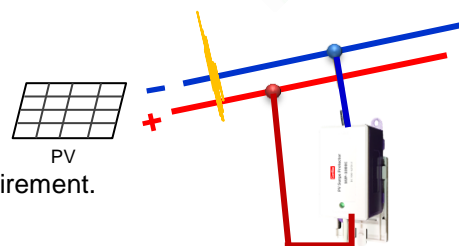


SSPD Model SUP-1000C is designed according to new develop technology, - Energy Absorb & Transfer to Voltage (EAT2V), suitable for lightning & surges protection for PV solar system or other HVDC devices etc.. SUP-1000C can effectively suppresses HV transient interference such as Lightning Flash Surges (LFS), Power Switching Surges (PSS), Switching Inrush Current (SIC), Electric Magnetic Pulses (EMP), Series Sparks (SS) etc., in no ground condition. SUP-1000C is actually effective lightning & surges protection which is market like placebo lightning surge protection products cannot compare ◦



Features:

- Prefect lightning & surge protection function with no ground requirement.
- New effective suppresses interference technology - EAT2V.
- Able to handle instant massive charges invasion shocks from conductor when lightning.
- Compact size and easy install.
- Meet ANSI/IEEE C62.41 cat. C high exposure, IEC 61000-4-4, IEC 61000-4-5, IEC 61643 standards.



Technical Specification

Model	SUP-1000C
DC Voltage Range	DC 900V~1,150 V
Suppressing Surges	Series Sparks(SS); Lightning Flash Surge (LFS); power switching surges (PSS) Switching Inrush Current (SIC) ; Electric Magnetic Pulse (EMP)
Protection mode	Line (+) to Line (-)
Input Impedance without load	> 10 M Ohm
Max Impulse current test	10KA @ 8x20μs wave, 1 times
Surge Immunity Test	1.2x50μs,10kV/8x20μs,5kA combination wave at least 10 time in 120sec interval
EMP/EFT Immunity Test	95% , 4.5kV in 5x50ns EFT(Elec. Fast Transient / bust) waveform
Ground Resistance Requirement	no ground requirement
Residue Voltage	<2900Vp ±20% , (by combination wave, 6KV/3KA)
Compliance standards	ANSI C62.41, cat. C, high exposure, IEC 61000-4-5, IEC 61000-4-4, IEC 61643-1 , ANSI C37.90.1 、 CNS 14676-4(C6424-4) 、 CNS14676-5(C6424-5)
Operation temp. / Rel. Humidity	-40°C ~ 37°C / 35% ~ 95% RH (non condensation)
Size / Weight	84(L) x 44(W) x 42(H) , mm / 250 g
Wire Connection	Two wires connected across “+” and “-” of DC system with no ground.
Enclosure material / Installation	Industrial Plastic / Able to be fixed by screws or DIN rail

V1812

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