

Series Surge Protection Device – SSPD

DPW-60CH-7 (DC 24V~60V, 7A)



SSPD Model DPW-60CH-7 is designed according to new develop technology, - Energy Absorb & Transfer to Voltage (EAT2V), suitable for lightning & surges protection for DC power source of all electric & electronics products. SSPD can effectively suppresses high voltage interference sources such as Lightning Flash Surges , Power Switching Surges , Switching Inrush Current , Electric Magnetic Pulses etc., regardless of how poor grounding environment or even no ground connection situation. SSPD can provide you truly effective solutions which is market like placebo lightning surge protection products cannot compare °



Features:

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

Technical Specification

Model	DPW-60CH-7
DC Voltage Range	DC 24V~60V
Max. Load Current	7A
Suppressing Surges	Lightning Flash Surge (LFS) ; power switching surges (PSS) ; Switching Inrush Current (SIC) ; Electric Magnetic Pulse (EMP)
Method to Handle Surge Energy	Surge Energy Transfer to Voltage, then release to later consecutive waves
Protection mode	Line(+) to Line(-)
Input Impedance without loads	> 10 Mohm
AC wave Form Affected	≤ 10 mS
Max Impulse current test	10KA @ 8x20μs wave
Surge Energy Absorbing Rate	≥ 97 % , (no ground condition) at 1.2x50μs,15kV / 8x20μs, 7.5kA Combination surge wave
EMP/EFTSuppressed capability	95%, 4.5kV in 5x50ns EFT(elec. fast transient/burst) waveform
Ground Resistance Requirement	No Requirement (Means, any resistance value is no influence to surge protection function)
Residue Voltage	<135Vp ±20% · (combination surge wave, 10KV/5KA)
Compliance standards	ANSI C62.41, cat. C, high exposure, IEC 61000-4-5, IEC 61000-4-4, IEC 61643-1
Operation temp. / Rel. Humidity	-40°C ~ 85°C / 35% ~ 95% RH (non condensing)
Size / Weight	74(L) x 37(W) x 26(H) , mm / 85 g
Inlet / Outlet Connection	Hard wires : In(+) , In(-) , Out(+) , Out(-)
Enclosure & material	Industrial Plastic , IP65