UD-1500
PV DC Surge Protection Device

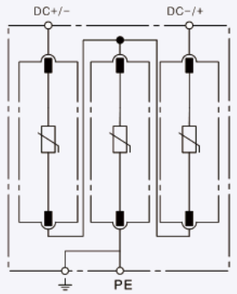
Application

Developed and manufactured 1500V surge protector, in line with IEC/EN 616143-31, with a maximum continuous operating voltage of 1500V;High pressure Sensitive resistor, nanosecond response speed, high efficiency to prevent lightning voltage damage to photovoltaic power generation system.

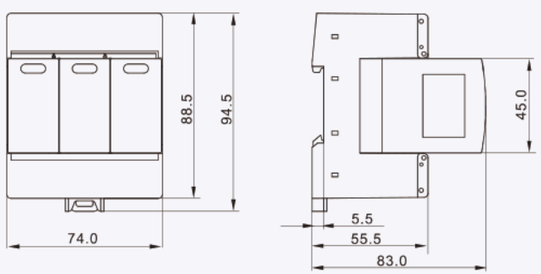
Parameter

Type	UD-1500
Test standard	IEC/EN 61643-31
Type	T2
Max.PV voltage(U_{CPV})	1500V
Short-circuit current rating(I_{SCPV})	10kA
Total discharge current (8/20μs) (I_{total})	40kA
Nominal discharge current(8/20μs)(I_n)	20kA
Voltage protection level (U_p)	≤5.5kV
Response time(t_A)	≤25ns
Operating temperature range(T_U)	-40°C~+80°C
Operating state/fault indication	green/red
Number of ports	1
Cross-sectional area(min.)	1.5mm² solid/ flexible
Cross-sectional area(max.)	35mm² stranded/25mm² flexible
For mounting on	TH35-7.5/DIN35
Place of installation	indoor installation
Degree of protection	IP20
Approvals	TUV,CE

Principal Drawing



Dimensions(mm)





Surge Protection Device