

# BUD-S1500

## PV DC Surge Protection Device



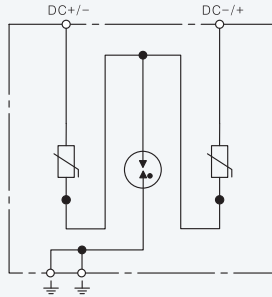
### Application

**ZBENY** Developed and manufactured the T1+T2 complex 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	BUD-S1500
Test standard	IEC/EN 61643-31
EN Type	T1+T2
Max.PV voltage(DC+→DC-)( $U_{CPV}$ )	≤1500V
Max.PV voltage(DC+/DC-→PE)( $U_{CPV}$ )	≤1100V
Short-circuit current rating( $I_{SCPV}$ )	2kA
Total discharge current ( 8/20 $\mu$ s ) ( DC+ /DC-→PE ) ( $I_{total}$ )	30kA
Total discharge current ( 10/350 $\mu$ s ) ( DC+ /DC-→PE ) ( $I_{total}$ )	12.5kA
Nominal discharge current(8/20 $\mu$ s)( $I_n$ )	15kA
Lightning impulse current ( 10/350 $\mu$ s ) ( DC+ /DC-→PE ) ( $I_{imp}$ )	6.25kA
Voltage protection level ( DC+ /DC-→PE ) ( $U_p$ )	3.75kV
Voltage protection level(DC+→DC-) ( $U_p$ )	7.25kV
Response time( $t_r$ )	≤25ns
Operating temperature range( $T_u$ )	-40°C~+85°C
Operating state/fault indication	green/red
Number of ports	1
Cross-sectional area(min.)	1.5mm <sup>2</sup> solid/ flexible
Cross-sectional area(max.)	35mm <sup>2</sup> stranded/25mm <sup>2</sup> flexible
For mounting on	TH35-7.5/DIN35
Place of installation	indoor installation
Degree of protection	IP20
Approvals	TUV,CE

### Principal Drawing



### Dimensions(mm)

