

**BUD-1500  
PV DC Surge  
Protection Device**



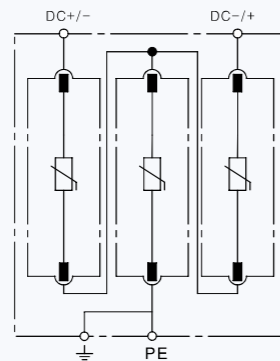
**Application**

**ZBENY** Developed and manufactured 1500V surge protector, in line with IEC/EN 61643-31, 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-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 ( 8/20 $\mu$ s ) ( $I_{tot}$ )	40kA
Nominal discharge current(8/20 $\mu$ s)( $I_n$ )	20kA
Voltage protection level ( $U_p$ )	$\leq 5.5kV$
Response time( $t_A$ )	$\leq 25ns$
Operating temperature range( $T_u$ )	-40°C~+80°C
Operating state/fault indication	green/red
Number of ports	1
Cross-sectional area(min.)	1.5mm <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)**

