NSPV
NewSun PV Technology Co.,Ltd

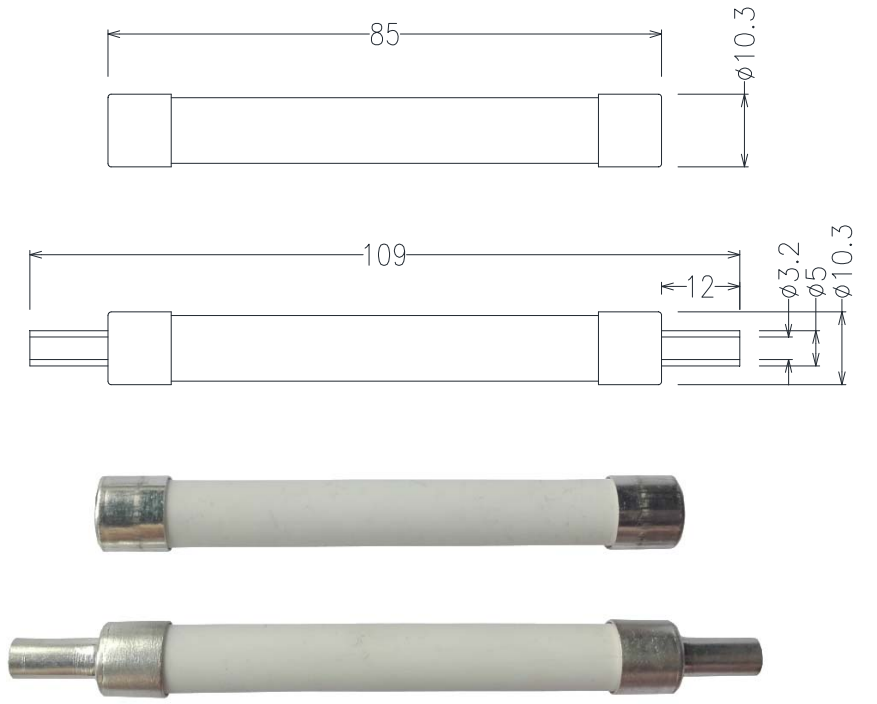
1500VDC FUSE

◆Product description:

This series of specifications for the use of the physical, rated working voltage 1500V, rated working current 2-30A electric line for overload or short circuit protection. Rated breaking capacity 1500V /20KA DC, products comply with IEC60269-1, GB13539.1, IEC60269-6, GB13539.6 standards.

Product Name	gPV Fuse	Model/Size	10*85mm
Rated Voltage	1500VDC	Rated Current	2A,3A,3.5A,4A,5A,6A,8A,10A,12A,15A,16A,20A, 25A,30A
Breaking capacity	20kA	Class of operation	gPV (IEC60269-1/GB13539-1/IEC60269-6/GB13539-6)
Minimum interrupting rating	2 x I	Time constant	1-2 ms
Rated Impulse voltage	1575V	Rated breaking capacity	20KA

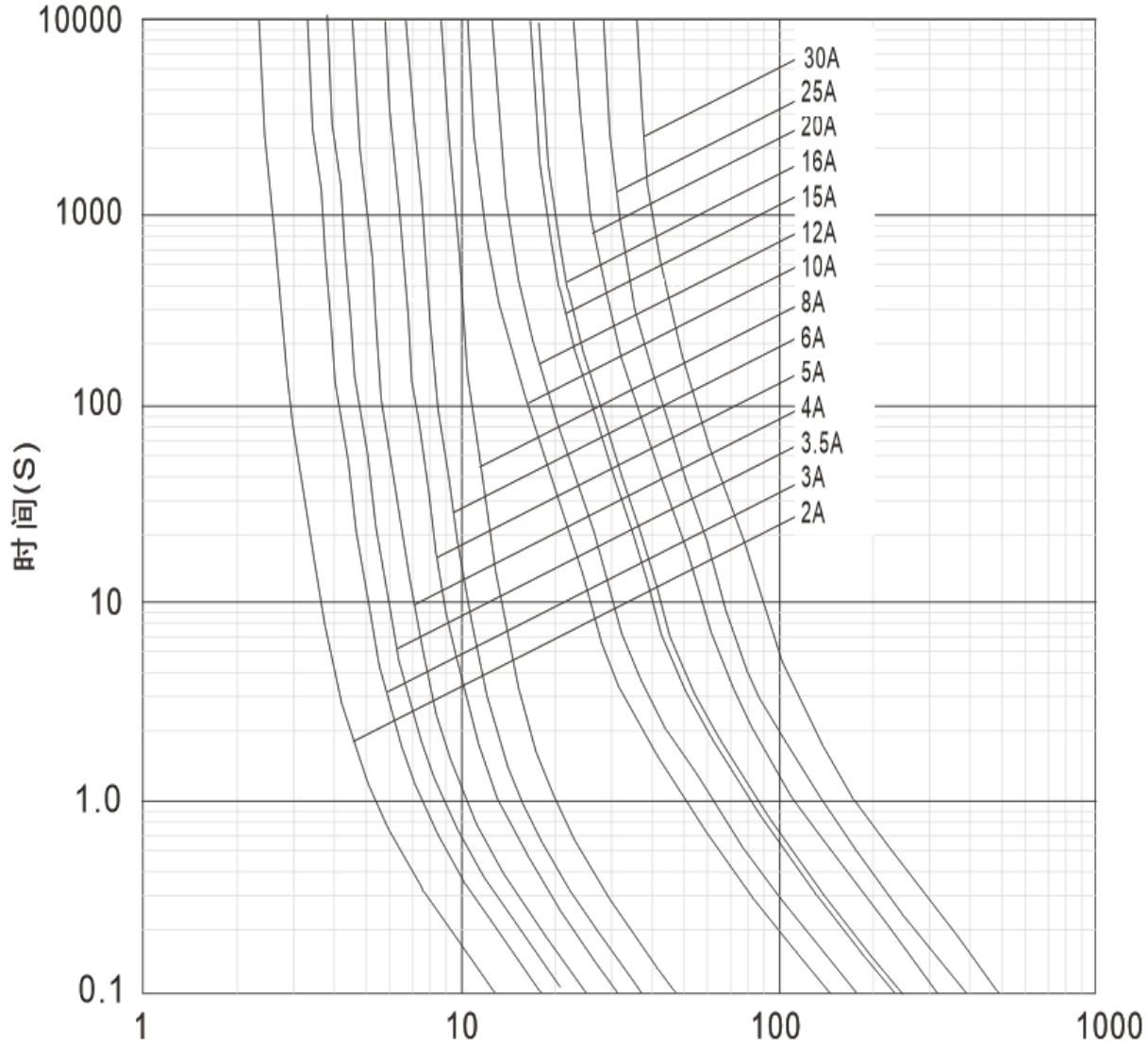
◆Size:



◆Technical data:

Rated Current (A)	Rated Voltage (V)	Rated breaking capacity(DC)	Pre-arc=I2t-value(A^2S)	Toal I2t-value @DC 1500V(A^2S)	Power Loss (W)
2	1500	20kA@1500V	3.56	9.72	2.45
3	1500	20kA@1500V	27	50.1	1.48
3.5	1500	20kA@1500V	32	53.8	1.53
4	1500	20kA@1500V	37.5	57.5	1.58
5	1500	20kA@1500V	44.6	60.2	1.64
6	1500	20kA@1500V	50	63	2.19
8	1500	20kA@1500V	69.2	68.6	2.5
10	1500	20kA@1500V	87.5	74.5	3.2
12	1500	20kA@1500V	106.8	168.6	3.4
15	1500	20kA@1500V	132	301	3.7
16	1500	20kA@1500V	142	312	3.9
20	1500	20kA@1500V	172.6	341.8	4.3
25	1500	20kA@1500V	214	382	4.8
30	1500	20kA@1500V	256	423	5.2

◆Time current curve:



◆Material:

1)The contacts of the cup is the copper, the internal is high precision Sterling Silver with melt, melt pipe is made of 95% alumina ceramics, arc quenching medium is the high silica sand.

2)The contact surface treatment of electroplating for nickel plating.

◆Environmental parameters:

1)Working environment

-The working temperature:-40C°~+90C°.

-The installation site:2000m altitude does not exceed 2000m.

2)Storage environment

-The storage temperature：-40C°~+90C°

-The storage humidity:≤90%

3)No harmful gases and flammable and explosive materials and corrosive items in the warehouse, and should not have received strong mechanical vibration, shock and strong magnetic field effect.

◆Reference standard:

1)GB 13593.1/IEC60269.1

2)GB 13539.6/IEC60269.6

◆The other parameters:

1)Marking:The fuse identification using printing form.

2)Package:The standard package is in accordance with the relevant provisions of GB/T13384-2008