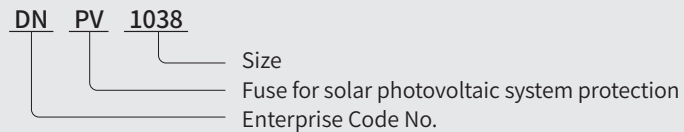


Fuse for solar photovoltaic system protection



Model and meaning



Normal working conditions

1. Ambient air temperature: The ambient air temperature T_a does not exceed 40°C , the average value measured in 24 hours does not exceed 35°C , and the average value measured within one year is lower than this value. The minimum ambient air temperature is -5°C .
2. Altitude: The altitude of the installation site does not exceed 2000m.
3. Atmospheric conditions: The air is clean, and its relative humidity does not exceed 50% when the maximum temperature is 40°C . It can have higher relative humidity at lower temperatures, for example: at 20°C , the relative humidity can reach 90 %. Under these conditions, moderate condensation may occasionally occur due to temperature changes.

Ordering Instructions

Users should provide the following information when ordering:

DNPV1038 Solar photovoltaic system protection fuse to describe the specification model, rated current, rated voltage and quantity.

For example:

DNPV1038-10A/1000V DC

DNPV1038

Fuse for solar photovoltaic system protection



Product description

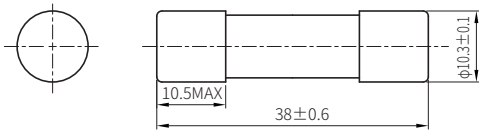
This series of fuses is suitable for solar photovoltaic systems and is mainly used in photovoltaic combiner boxes as short circuit and overload protection for photovoltaic power generation devices and other semiconductor equipment, thereby protecting the overall solar photovoltaic panels. This series of fuses is suitable for 1000V DC, rated current 2A~32A.

Rated voltage	1000V DC
Rated current	2~32A
Protection category	gPV
Breaking capacity	2~20A(35kA), 25~32A (20kA)
Time constant	1~3ms
Reference standard	GB/T 13539.6 IEC 60269-6

Product parameter

Model No.	Size	Rated voltage (V)	Rated current (A)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Fuse support
DNPV1038-2A/1000V DC	10X38	1000	2	0.68	1.36	11±1	DNPVF1-32
DNPV1038-3A/1000V DC			3	0.75	1.42		
DNPV1038-4A/1000V DC			4	0.94	1.58		
DNPV1038-5A/1000V DC			5	0.98	1.83		
DNPV1038-6A/1000V DC			6	1.1	1.84		
DNPV1038-8A/1000V DC			8	1.13	1.86		
DNPV1038-10A/1000V DC			10	1.21	2.08		
DNPV1038-12A/1000V DC			12	1.38	2.62		
DNPV1038-15A/1000V DC			15	1.67	2.95		
DNPV1038-16A/1000V DC			16	1.73	3		
DNPV1038-20A/1000V DC			20	1.92	3.12		
DNPV1038-25A/1000V DC			25	2.1	3.46		
DNPV1038-30A/1000V DC			30	2.3	3.78		
DNPV1038-32A/1000V DC			32	2.5	4		

Overall dimensions (mm)



DNPV1451

Fuse for solar photovoltaic system protection



Product description

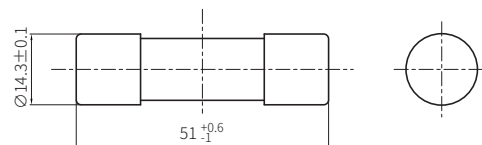
This series of fuses is suitable for solar photovoltaic systems and is mainly used in photovoltaic combiner boxes as short circuit and overload protection for photovoltaic power generation devices and other semiconductor equipment, thereby protecting the overall solar photovoltaic panels. This series of fuses is suitable for 1000V DC, rated current 12A~50A.

Size	14x51
Rated Voltage	1000V DC
Rated Current	12~50A
Utilization Category	gPV
Breaking Capacity	30kA
Fuse Support Parts	DNPVF1-63
Reference Standards	GB/T 13539.6 IEC 60269-6

Product parameter

Model No.	Size	Rated voltage (V)	Rated current (A)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Fuse support
DNPV1451-10A/1000V DC	14X51	DC 1000	10	2.5	3.8	14.5±2	DNPVF1-32L
DNPV1451-12A/1000V DC			12	3.0	4.8		
DNPV1451-16A/1000V DC			16	3.1	5		
DNPV1451-20A/1000V DC			20	3.5	6.2		
DNPV1451-25A/1000V DC			25	4.0	7.2		
DNPV1451-30A/1000V DC			30	4.5	8		
DNPV1451-32A/1000V DC			32	5	8.4		
DNPV1451-40A/1000V DC			40	4.5	7.6		

Overall dimensions (mm)



DNPV2258

Fuse for solar photovoltaic system protection



Product description

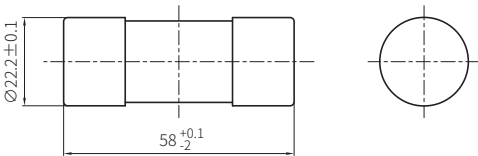
This series of fuses is suitable for solar photovoltaic systems and is mainly used in photovoltaic combiner boxes as short circuit and overload protection for photovoltaic power generation devices and other semiconductor equipment, thereby protecting the overall solar photovoltaic panels. This series of fuses is suitable for 1000V DC, rated current 25A ~ 80A.

Size	22x58
Rated Voltage	1000V DC
Rated Current	25~80A
Utilization Category	gPV
Breaking Capacity	30kA
Fuse Support Parts	DNPVF1-125
Reference Standards	GB/T 13539.6 IEC 60269-6

Product parameter

Model No.	Size	Rated voltage (V)	Rated current (A)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Fuse support
DNPV2258-25A/1000 DC	22X58	DC 1000	25	4.1	7.3	13.5±2	DNPVF1-125
DNPV2258-32A/1000 DC			32	5.2	8.4		
DNPV2258-40A/1000 DC			40	4.5	8		
DNPV2258-45A/1000 DC			45	5.0	6.2		
DNPV2258-50A/1000 DC			50	5.7	9.5		
DNPV2258-80A/1000 DC			80	7.5	10.2		

Overall dimensions (mm)



DNPV1085

Fuse for solar photovoltaic system protection



Product description

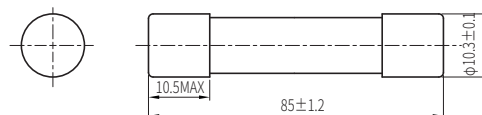
This series of fuses is suitable for solar photovoltaic systems and is mainly used in photovoltaic combiner boxes as short circuit and overload protection for photovoltaic power generation devices and other semiconductor equipment, thereby protecting the overall solar photovoltaic panels. This series of fuses is suitable for 1500V DC, rated current 2A ~ 32A.

Size	10x85
Rated Voltage	1500V DC
Rated Current	2~32A
Utilization Category	gPV
Breaking Capacity	20kA
Fuse Support Parts	DNPVF1-32L
Reference Standards	GB/T 13539.6 IEC 60269-6

Product parameter

Model No.	Size	Rated voltage (V)	Rated current (A)	0.8In Power dissipation(W)	1.0In Power dissipation(W)	Weight (g)	Fuse support
DNPV1085-2A/1500V DC	10X38	1500	2	1.0	2.0	12.5±2	DNPVF1-32L
DNPV1085-3A/1500V DC			3	1.1	2.1		
DNPV1085-4A/1500V DC			4	1.2	2.2		
DNPV1085-5A/1500V DC			5	1.4	2.4		
DNPV1085-6A/1500V DC			6	1.5	2.6		
DNPV1085-8A/1500V DC			8	1.8	3.0		
DNPV1085-10A/1500V DC			10	2.2	3.5		
DNPV1085-12A/1500V DC			12	2.5	3.8		
DNPV1085-15A/1500V DC			15	3.0	4.8		
DNPV1085-16A/1500V DC			16	3.1	5		
DNPV1085-20A/1500V DC			20	3.5	6.2		
DNPV1085-25A/1500V DC			25	4.0	7.2		
DNPV1085-30A/1500V DC			30	4.5	8		
DNPV1085-32A/1500V DC			32	5	8.4		

Overall dimensions (mm)



DNPV1485

Fuse for solar photovoltaic system protection



Product description

This series of fuses is suitable for solar photovoltaic systems and is mainly used in photovoltaic combiner boxes as short circuit and overload protection for photovoltaic power generation devices and other semiconductor equipment, thereby protecting the overall solar photovoltaic panels. This series of fuses is suitable for 1500V DC, rated current 12A ~ 50A.

Size	14x85
Rated Voltage	1500V DC
Rated Current	12~50A
Utilization Category	gPV
Breaking Capacity	20kA
Fuse Support Parts	DNPVF1-32L
Reference Standards	GB/T 13539.6 IEC 60269-6

Product parameter

Model No.	Size	Rated voltage (V)	Rated current (A)	0.8I _n Power dissipation(W)	1.0I _n Power dissipation(W)	Weight (g)	Fuse support
DNPV1485-12A/1500V DC	14X85	1500	12	2.5	3.8	12.5±2	DNPVF1-32L
DNPV1485-15A/1500V DC			15	3.0	4.8		
DNPV1485-16A/1500V DC			16	3.1	5		
DNPV1485-20A/1500V DC			20	3.5	6.2		
DNPV1485-25A/1500V DC			25	4.0	7.2		
DNPV1485-30A/1500V DC			30	4.5	8		
DNPV1485-32A/1500V DC			32	5	8.4		
DNPV1485-40A/1500V DC			40	4.5	7.6		
DNPV1485-50A/1500V DC			50	5.7	9.5		

Overall dimensions (mm)

