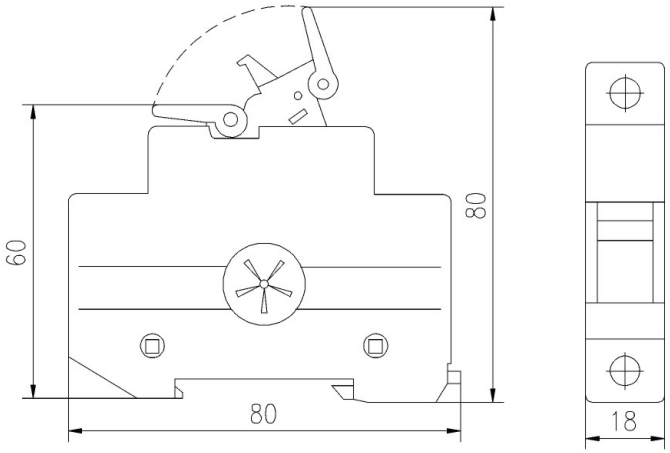
Figure 2



Fuses Base model	Equipped with fuse Body size	rated Voltage Vdc	rated electric current (A)	Overall size/size (mm)					
				figure number	A1	A2	B	H1	H2
CFPV-32 Base	10×38	1000	32	2	Detailed dimensions are shown in Figure 2				

6、Test method:

Agreed time, agreed current

"gPV" The agreed time and agreed current of the fuse link

"gPV" Ratedcurrentof fuselink A	appointedime h	Agreedcurrent	
		Inf	If
$I_n \leq 63$	1	1.13In	1.45In
$63 < I_n \leq 160$	2		
$160 < I_n \leq 400$	3		
$I_n > 400$	4		

DC fuses for overcurrent protection in solar photovoltaic systems

Product Specification

DC fuses for overcurrent protection in solar photovoltaic systems

1. Purpose and Use

This series of fuses is suitable for circuits with rated DC voltage up to 1000V and rated current up to 30A. They are connected in series and parallel with photovoltaic panels and batteries to provide short-circuit breaking protection for charging and converting systems; Simultaneously, for photovoltaic power plants, combiner inverter rectification systems, and short-circuit fault breaking protection; And for the rapid breaking protection of surge current and short-circuit fault overvoltage in photovoltaic power generation systems, with a rated breaking capacity of 20KA. Our company is currently conducting relevant tests to further improve the breaking capacity of the product. The product complies with the provisions of the International Electrotechnical Commission standard IEC60269.

2. Normal working conditions

The upper limit of ambient air temperature shall not exceed 90 ℃; The lower limit of ambient air temperature shall not be less than -40 ℃; The elevation of the installation site should not exceed 2000m (if it is to exceed this 2000m, the requirements need to be specified, and our company can design and develop according to customer requirements).

3. Usage category

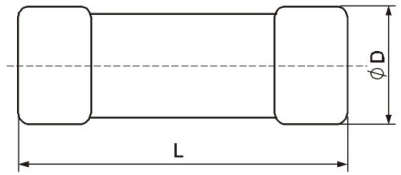
"gPV" refers to a DC fuse with full range breaking capacity used for overcurrent protection in solar photovoltaic systems.

4. Structural characteristics

The variable cross-section melt made of pure silver sheet is encapsulated in a melt tube made of high-strength porcelain. The melt tube is filled with chemically treated high-purity quartz sand and specially treated chemicals as the arc extinguishing medium. The two ends of the melt are firmly connected with the contact by spot welding.

5. Main technical parameters

Figure 1



Model of fuse link	Rated voltage (V)	Rated current (A)	Overall size/size (mm)		Dissipative power W
gPV			figure number	D×L	
ZYPV-1038	DC1000V	2、3、4、5、6、8、10、12、15、20、25、30	1	10.3±0.1×38±0.6	≤4.5