

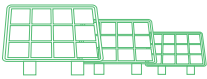
LQPV-1038(LQPV-32)

DC fuses for overcurrent protection in solar photovoltaic systems

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.



**Solar photovoltaic system
overcurrent protection Dc fuse**



Durable quality

Bright and uniform

Operational condition

The upper limit of ambient air temperature shall not exceed 90 °C ; The lower limit of ambient air temperature shall not be less than -40 °C ; 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).

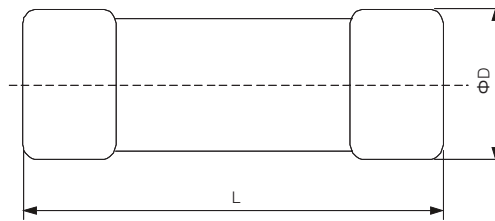
Utilization category

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

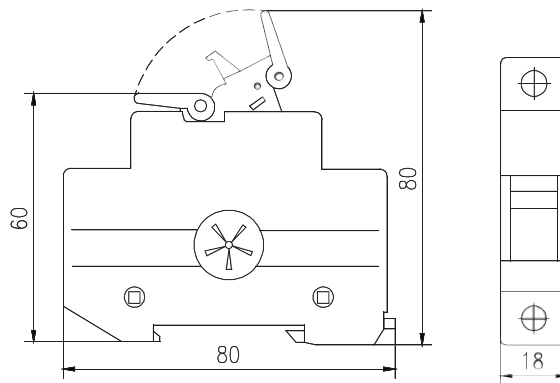
Structural characteristics

The variable cross-section melt made of pure silver sheets 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 chemical materials as the arc extinguishing medium. The two ends of the melt are firmly connected to the contact through spot welding.

Main technical parameters



Model of fuse link	rated voltage (V)	Rated current(A)	Overall dimensions (mm)		Dissipated power (W)
			Drawing No	D×L	
gPV	DC1000V	2、3、4、5、6、8、10、12、15、20、25、30	1	10.3±0.1×38±0.6	≤4.5



Fuse holder model	Fuse size	rated voltage Vdc	Rated current (A)	Overall dimensions (mm)					
				Drawing No	A1	A2	B	H1	H2
LQPV-32 Base	10×38	1000	32	2	Drawing No2				



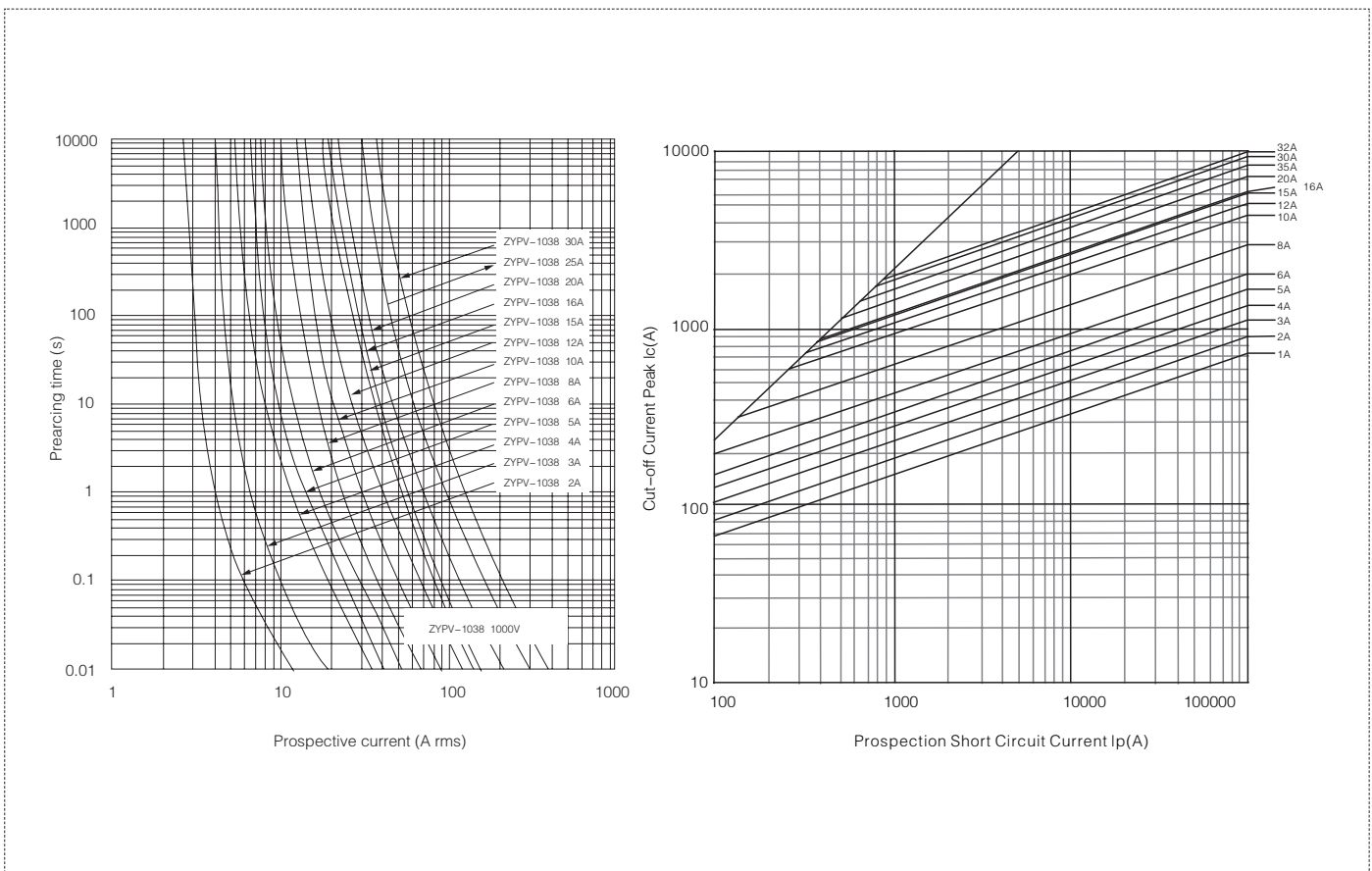


Test method

“gPV” Fuse holder Agreed time, agreed current

“gPV” Rated current A	Agreed time h	agreed current	
		I_{nf}	I_f
$I_n \leq 63$	1	1.13 I_n	1.45 I_n
$63 < I_n \leq 160$	2		
$160 < I_n \leq 400$	3		
$I_n > 400$	4		

Characteristics Curve:



LQPV-1085

This series of fuses is suitable for circuits with rated DC voltage up to 1500V and rated current up to 63A. 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.



**Solar photovoltaic system
overcurrent protection Dc fuse**



Operational condition

The upper limit of ambient air temperature shall not exceed 90 °C ; The lower limit of ambient air temperature shall not be less than -40 °C ; 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).

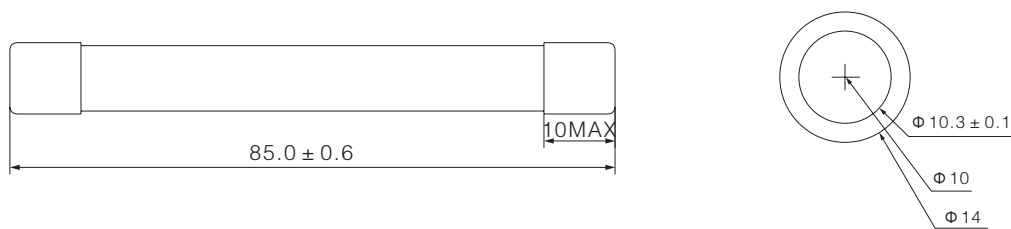
Utilization category

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

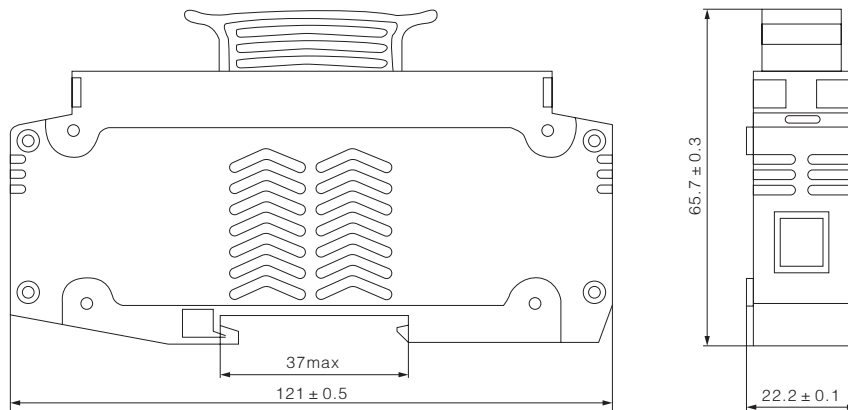
Structural characteristics

The variable cross-section melt made of pure silver sheets 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 chemical materials as the arc extinguishing medium. The two ends of the melt are firmly connected to the contact through spot welding.

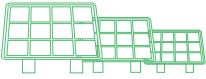
Main technical parameters



Model of fuse link	rated voltage(V)	Rated current(A)	Overall dimensions (mm)	
			Drawing No	Drawing No
gPV				
LQPV1085	DC1500V	2--30	1	Drawing No1.2
LQPV1485	DC1500V	8--50	2	



Model of fuse link	use size	rated voltageVdc	Rated current(A)	Overall dimensions (mm)	
				Drawing No	Drawing No
LQPV-1085 Base	10×85 14×85	1500	50	3	Drawing No 3



Durable quality

Bright and uniform

Test method

“gPV” Fuse holder Agreed time, agreed current

“gPV” Rated current A	Agreed time h	agreed current	
		I_{nf}	I_f
$I_n \leq 63$	1	1.13 I_n	1.45 I_n
$63 < I_n \leq 160$	2		
$160 < I_n \leq 400$	3		
$I_n > 400$	4		

Characteristics Curve:

