



gPV-38 1000Vdc

Product Data

Standards compliant : IEC60269-6

Rated voltage : DC1000V

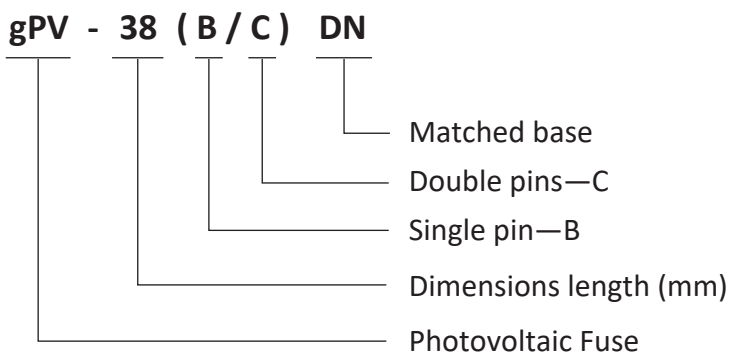
Rated current : 1A、2A、3A、4A、5A、6A、8A、10A、12A、15A、20A、25A、30A、32A

Protection category : gPV

Installation method : DIN-rail / circuit board welding

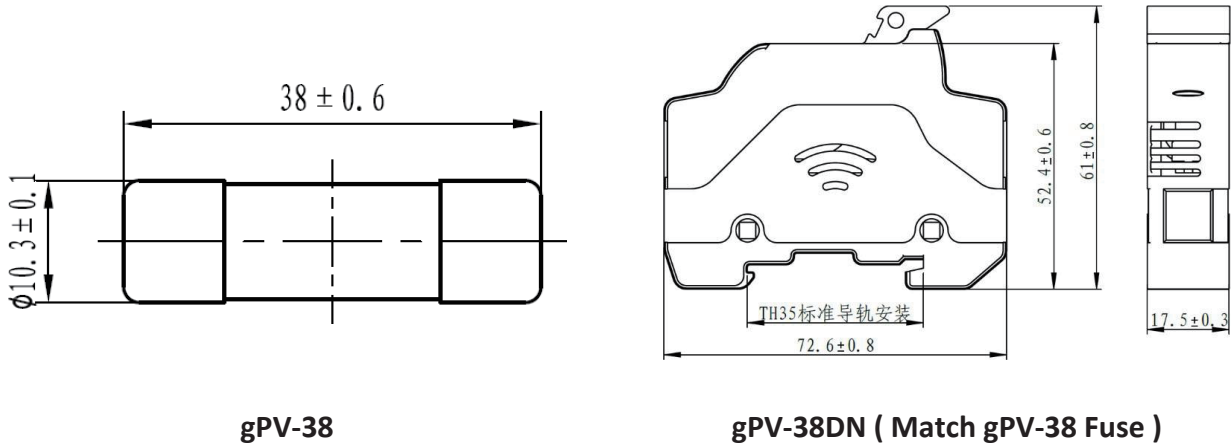
Product Description : This serie of products are fuses for photovoltaic power system protection, fast action response, low temperature rise power consumption and high breaking capacity.

Model Explanation :

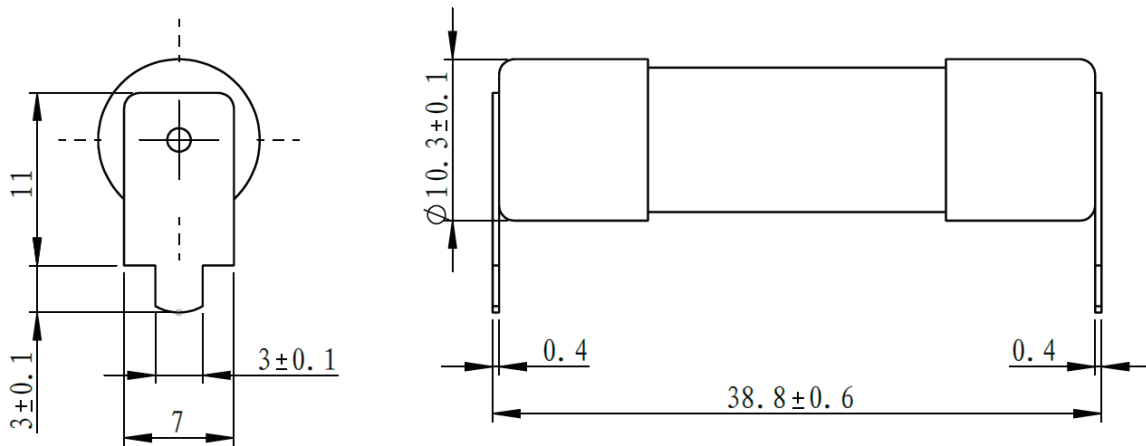


Model	Current(A)	Breaking capacity	1.0 In PD(w)	Min pack
gPV-38-1A	1	15A is 33KA, other ampers are 10KA Time constant L/R : (1~3) ms	1.30	10 units / box
gPV-38-2A	2		1.36	
gPV-38-3A	3		1.42	
gPV-38-4A	4		1.58	
gPV-38-5A	5		1.70	
gPV-38-6A	6		1.80	
gPV-38-8A	8		1.90	
gPV-38-10A	10		2.10	
gPV-38-12A	12		2.60	
gPV-38-15A	15(16)		3.00	
gPV-38-20A	20		3.20	
gPV-38-25A	25		3.50	
gPV-38-30A	30		3.80	
gPV-38-32A	32		4.00	

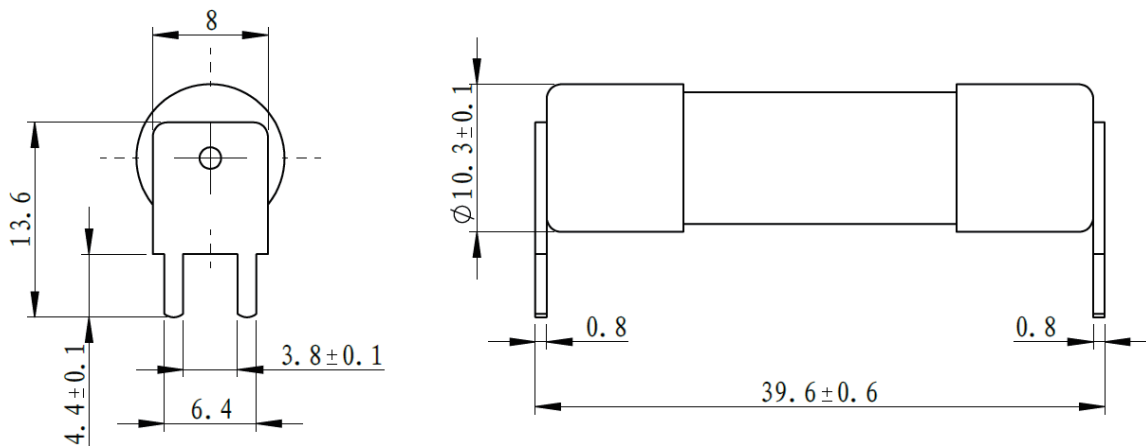
Dimension — gPV-38 (DN)



Dimension — gPV-38.8-B

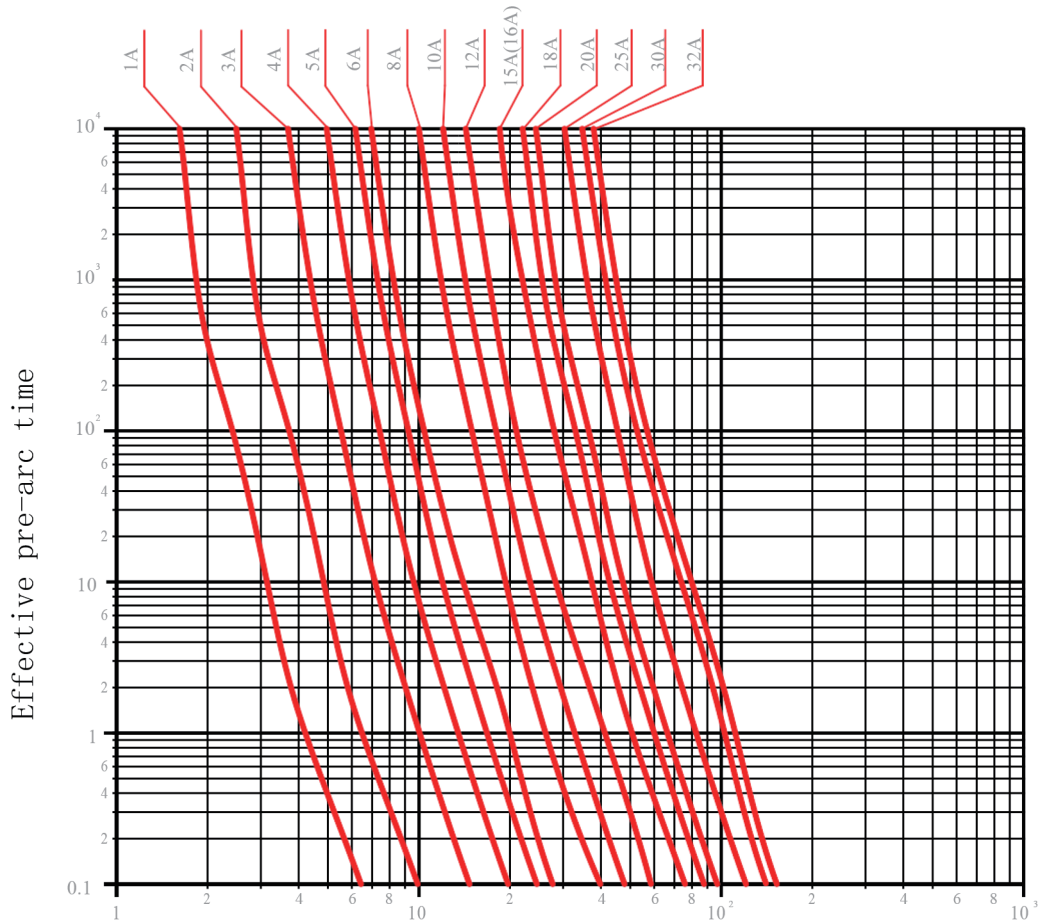


Dimension — gPV-39.6-C

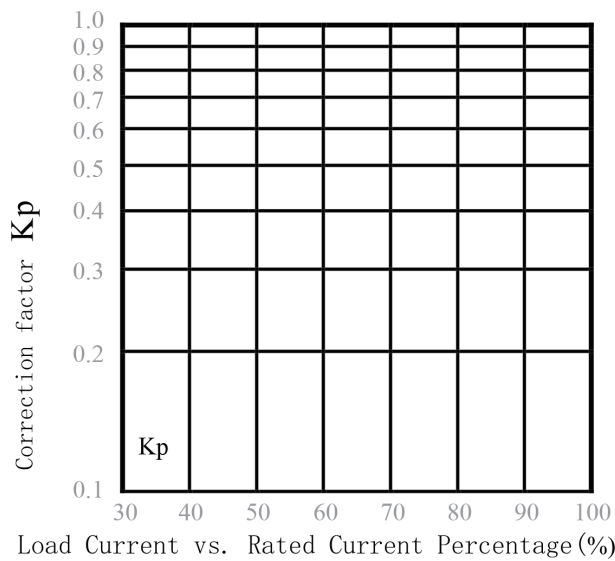




T-I characteristic curve



Power Loss Correction Factor Chart





Ambient temperature derating factor curve

The fuse is affected by the temperature of the air immediately around it (ambient temperature) during its operation. Normally, fuses are tested under standard test conditions of $(20^{\circ}\text{C} \pm 5^{\circ}\text{C})$ and can be applied in a wide operating temperature range $(-50^{\circ}\text{C} \sim 100^{\circ}\text{C})$. When the fuse works outside the normal operating conditions $(-5^{\circ}\text{C} \sim 40^{\circ}\text{C})$, the rated current needs to be properly corrected, for proper fuse rating selection. Ambient temperature derating factor (FAT) is determined by the diagram below :

