

HP15G

1500VDC Class G (10x57mm) Photovoltaic Fuses

SPECIAL PURPOSE

FOR INLINE PV MODULE PROTECTION



Mersen's HP15G photovoltaic (PV) fuse series was engineered and designed specifically for the protection of photovoltaic systems. Its enhanced fuse construction makes it ideal for continuous temperature and current cycling withstand adding to system longevity. The 1500VDC rated HP15G, designed for low minimum breaking capacity capabilities of 1.35 times the fuse rated current value, allows for safe circuit interruption under typical low fault current conditions produced by PV arrays. In addition to the standard ferrule terminal, parts are available with Crimp Cap terminals for in-line fuse applications. The unique wire crimp terminal (CC option) permits solderless wire-to-fuse connection for overmold encapsulation of fuse and wiring. Protect your off-grid or grid tied PV system from unexpected ground faults and line faults using Mersen's Helio Protection fuse line.

APPLICATIONS:

- In-line PV module protection

RATINGS:

- **Volts:** 1500VDC
- **Amps:** 2½ A-5A
- **IR:** HP15G2½ to 4A, Self Certified to 50kA I.R.; HP15G5, 10kA I.R.
- **MBC:** 1.35 x In

Photovoltaic Fuse, gPV

FEATURES/BENEFITS:

- Low fault current interrupting capability
- Durable construction for enhanced system longevity
- Temperature cycle withstand capability
- Guaranteed operation at temperature extremes
- Industry's first UL Listed Solution
- Globally accepted

APPROVALS:

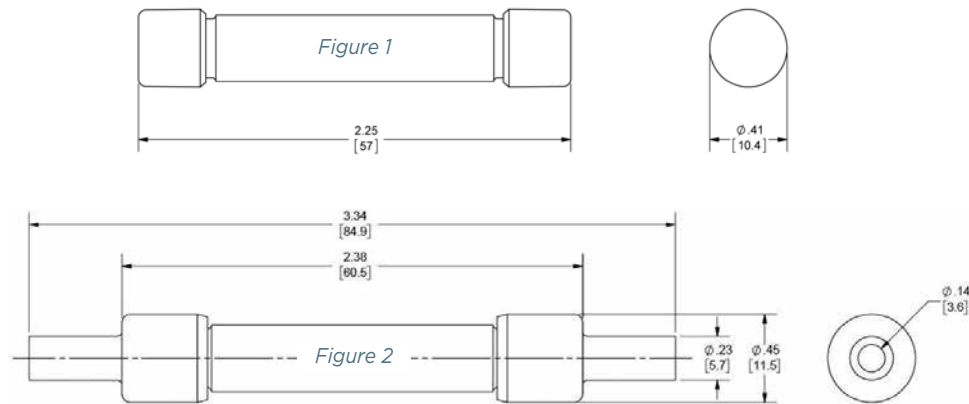
- UL Listed to Standard UL2579 File E333668
- IEC 60269-6



CATALOG NUMBERS AND ELECTRICAL CHARACTERISTICS

Voltage [VDC]	Amperage [A]	Catalog Number	Interrupting Rating [kA]	Size [mm]
1500	2½	HP15G2½	50	10 x 57 (Figure 1)
	3	HP15G3		
	3½	HP15G3½		
	4	HP15G4		
	5	HP15G5	10	
	2½	HP15G2½ CC	50	10 x 85 (Figure 2)
	3	HP15G3CC		
	3½	HP15G3½ CC		
	4	HP15G4CC		
	5	HP15G5CC	10	

DIMENSIONS



CC terminal (Fig. 2): Recommended crimping tool: T & B Sta-Kon ERG4002 #10 -12 AWG (6-4 mm²)