

Bourns® Model PF-PVC150R Series Photovoltaic POWrFuse™ High-Power Fuses

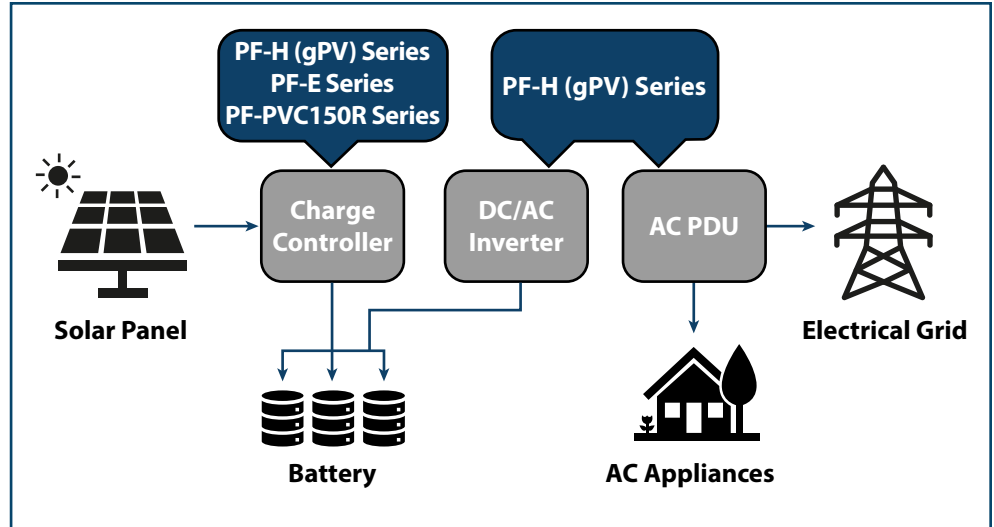
NEW PRODUCT BRIEF



INTRODUCTION

Bourns® POWrFuse™ High-Power Fuses are industrial fuse links designed to meet UL 248 standards. In particular, POWrFuse™ Model [PF-PVC150R](#) is designed to meet UL 248-19 (class gPV) photovoltaic standards to help protect PV systems under extreme ambient temperature, high-cycling, and low-level fault current conditions.

POWrFuse™ Model PF-PVC150R is a midget-style fuse (10 mm dia. x 85 mm) and is commonly installed in solar combiner boxes that have a DC interrupting rating of up to 50 kA.



FEATURES

- Designed to meet UL 248-19 (class gPV) photovoltaic standard
- Fast-acting protection under fault current
- Low resistance and power loss
- Up to 50 kA interrupting rating
- Temperature range: -40 to +90 °C
- RoHS compliant*
- Halogen free**

APPLICATIONS

- Solar combiner boxes and inverters
- Battery charge controllers
- Solar string protectors
- Power supplies
- Desktop meters

HOW TO ORDER

PF - PVC 150R 10 C1

POWrFuse™ _____
 Product Designator _____
 Series Name _____
 Rated Voltage _____
 150R = 1500 VDC
 Rated Current _____
 4 - 30 = 4A - 30 A
 Mounting Type _____
 C1 = Ferrule, Type 1
 C2 = Crimp Cap, Type 2

BENEFITS

- Bourns' world-class quality, global strength with localized support
- Both models' compliance with industry standards and their robust interrupting rating help ensure safety and quality as well as minimal service calls, thereby minimizing the Total Cost of Ownership (TCO)
- Offers a complete solution with the added benefit of Bourns® high current rating overvoltage protectors (up to 150 kA). For details, see "MORE INFORMATION"

MORE INFORMATION

- [AC Power SPD: 1250 Series](#)
- [DC Power SPD: 1420 Series](#)
- [Power TVS \(PTVS\) Diodes](#)
- [High Energy MOVs](#)
- [High Current GDTs](#)

PACKAGING SOLUTIONS

PF-PVC150R Series 10 pcs./box
 PF-PVC150R Series 50 pcs./tray

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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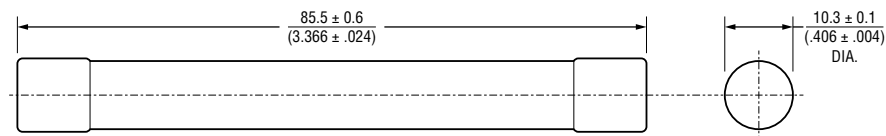
ELECTRICAL CHARACTERISTICS

Series	Rated Current	Rated Voltage	Interrupting Rating	cULus LISTED	Mounting Type	
					Ferrule (C1)	PCB Mounting (T1)
PF-PVC150R	4 – 30 A	1500 VDC	50 kA @ 1500 VDC	✓	✓	✓

For full characteristics, see data sheet

PRODUCT DIMENSIONS

Ferrule / C1 Type



Crimp Cap / C2 Type

