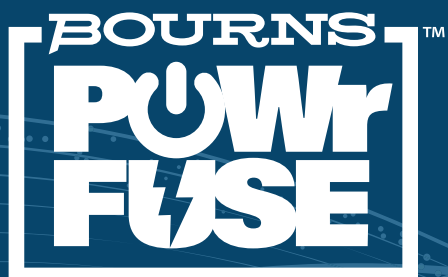


# POW'rFuse™

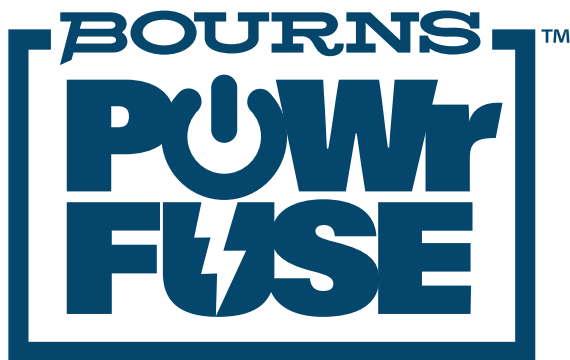
## High-Power Fuses



# Overview

Bourns® POWrFuse™ High-Power Fuses are industrial fuse links designed to UL 248, IEC 60269 and ISO 8820 standards in order to withstand extreme ambient temperatures, high-cycling and low-level fault current conditions. POWrFuse™ High-Power Fuses are rated at extremely high interrupting currents, providing reliable overcurrent and short-circuit protection, and are housed in various mounting configurations to accommodate customers' design requirements. These products are targeted at applications including

but not limited to EV/HEV, battery management systems, power supplies, DC-DC converters, telecom systems, photovoltaic power systems, industrial controllers and charging stations. Along with Bourns® overvoltage protection products such as [SPDs](#), [PTVS Diodes](#), [High Energy MOVs](#) and [High Current GDTs](#), the complete circuit protection solution can be installed.



## Semiconductor



## Electric Vehicle



## Photovoltaic



## Industrial



## Telecom





# The Bourns® product portfolio of POWrFuse™ High-Power Fuses offer solutions for a variety of market segments

## Product Line Chart

Category	Series												
Telecom	PF-N	40 A	80 A										
Photovoltaic	PF-E			15 A	30 A								
	PF-H (gPV)			15 A	30 A								
Industrial	PF-J					30 A	70 A						
	PF-G					63 A	90 A						
	PF-H (Ind)			6 A	12 A								
Electric Vehicle	PF-K				15 A	50 A		15 A	50 A				
Semiconductor	PF-M							50 A	180 A				
	PF-F									50 A	150 A	160 A	400 A



## How to Order

**PF - x xx - xx**

POWrFuse™ Product Designator \_\_\_\_\_

Series Name \_\_\_\_\_

Mounting Type \_\_\_\_\_

C1 = Ferrule/Type 1

B1 = Bolt Mounting/Type 1

B2 = Bolt Mounting/Type 2

T1 = PCB Mounting/Type 1

T2 = PCB Mounting/Type 2

T3 = PCB Mounting/Type 3

T5 = PCB Mounting/Type 5

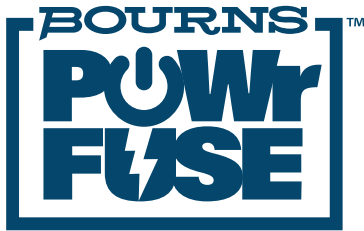
Rated Current \_\_\_\_\_

6 = 6 A

30 = 30 A

100 = 100 A

# POWrFuse™ High-Power Fuses



POWrFuse™ High-Power Fuses are classified into five categories, including Semiconductor Power Fuses, Photovoltaic (PV) Power Fuses, Industrial Power Fuses, Electrical Vehicle (EV) Power Fuses and Telecom Power Fuses.













## Market Segment Portfolio

### Bourns® POWrFuse™ High-Power Fuses









Semiconductor Power Fuse	PF-F Series	B	
	PF-M Series		
Photovoltaic Power Fuse	PF-E Series	C	T
	PF-H (gPV) Series	C	T
Industrial Power Fuse	PF-G Series		T
	PF-H (Ind) Series	C	T
	PF-J Series		T
Electric Vehicle Power Fuse	PF-K Series	B	T
Telecom Power Fuse	PF-N Series		T

**Mounting Type**  
C Ferrule  
B Bolt Mounting  
T PCB Mounting






## POWriFuse™ INDUSTRIAL POWER FUSES

Model Series	Mounting Type	Dimensions (mm)	Rated Current	Rated Voltage	Interrupting Rating	Agency Recognition
<a href="#">PF-J</a>	 PCB/T3	10.4 dia. x 38.5	30-70 A	500 VAC 125 VDC	2000 A @ 500 VAC 2000 A @ 250 VAC 1000 A @ 125 VDC	
<a href="#">PF-G</a>	 PCB/T3	14.6 dia. x 38.5	63 A	600 VAC 125 VDC	1500 A @ 600 VAC 2000 A @ 250 VAC 500 A @ 125 VDC	
			90 A	500 VAC	1500 A @ 500 VAC	
<a href="#">PF-H (ind)</a>	 Ferrule/C1	10 dia. x 38	6-12 A	600 VAC 600 VDC	100 kA @ 600 VAC 100 kA @ 600 VDC	
	 PCB/T1					
<a href="#">PF-63R50H</a>	 Cartridge/Axial Lead	6 dia. x 30	10 - 40 A	500 VAC 500 VDC	30 kA @ 500 VAC 20 kA @ 500 VAC	 

## POWriFuse™ PHOTOVOLTAIC POWER FUSES



Model Series	Mounting Type	Dimensions (mm)	Rated Current	Rated Voltage	Interrupting Rating	Agency Recognition
<a href="#">PF-H (gPV)</a>	 Ferrule/C1	10 dia. x 38	15-30 A	600 VAC 600 VDC	150 kA @ 600 VAC 50 kA @ 600 VDC 10 kA @ 600 VDC	 
	 PCB/T1					
<a href="#">PF-E</a>	 Ferrule/C1	10 dia. x 38	15-30 A	1000 VDC	20 kA @ 1000 VDC	
<a href="#">PF-PVC150R</a>	 Ferrule	10 dia. x 85	4-30 A	1500 VDC	50 kA @ 15400 VDC	

## POWriFuse™ SEMICONDUCTOR POWER FUSES




Model Series	Mounting Type	Dimensions (mm)	Rated Current	Rated Voltage	Interrupting Rating	Agency Recognition
<a href="#">PF-M</a>	 Bolt/B1	17.2 dia. x 42	50-180 A	240 VAC 150 VDC	160 kA @ 240 VAC 50 kA @ 150 VDC	
<a href="#">PF-F</a>	 Bolt/B1	24.1 dia. x 91.6 35.2 dia. x 95	50-400 A	800 VAC 800 VDC	100 kA @ 800 VAC 50 kA @ 800 VDC	
	 Bolt/B2					

## POWriFuse™ EV POWER FUSES\*



Model Series	Mounting Type	Dimensions (mm)	Rated Current	Rated Voltage	Interrupting Rating	Qualifications
<a href="#">PF-K</a>	 Bolt/B1	10 dia. x 38	30-50 A	275 VAC 500 VDC	10 kA @ 275 VAC 20 kA @ 500 VDC 10 kA @ 450 VDC	ISO 8820
	 PCB/T1					

## POWriFuse™ TELECOM POWER FUSES

Model Series	Mounting Type	Dimensions (mm)	Rated Current	Rated Voltage	Interrupting Rating	Agency Recognition
<a href="#">PF-N</a>	 PCB/T2	14.6 dia. x 22.3	40-80 A	170 VDC	100 kA @ 170 VDC	
	 PCB/T5					



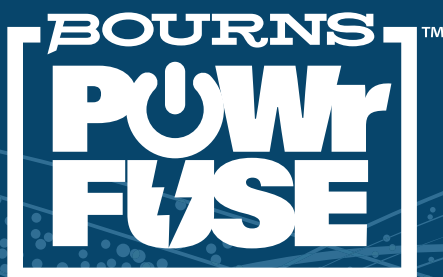
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Bourns® products are available through an extensive network of manufacturer's representatives, agents and distributors. To obtain technical applications assistance, a quotation, or to place an order, contact a Bourns representative in your area.

Specifications subject to change without notice. Actual performance in specific customer applications may differ due to the influence of other variables. Customers should verify actual device performance in their specific applications.

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