



Protection for Your PV System Investment

COOPER Bussmann

Fast-Acting PVS-R Fuses Clear Faults 4X Faster than Any Other Class R Fuse

- Listed to UL 2579 – The Industry's Only Class R Photovoltaic Fuse
- Specially Designed to Protect in Lower-Level Overload Regions where Common Time-Delay Fuses Do Not
- Demonstrated Performance in Extreme Temperatures, Ranging from -40°C through 90°C
- Proven Application in Constantly Changing PV Environmental Conditions
- Easily Applied in Readily Available Class R Fuse Blocks and Disconnects



User Benefits

- Maximize uptime and reliability using the only fuse designed and listed to UL 2579: *Low Voltage Fuses – Fuses for Photovoltaic Systems*.
- Minimize chances of equipment failure and personnel injury when using full range fuses having the industry's fastest response time to low-magnitude faults.
- Maximize return on investment with fuses proven to withstand harsh temperatures.
- Minimize design time, operating outage time and replacement costs with fuses qualified in excessively changing environmental conditions.
- Simplify compatibility with readily available industry standard Class R fuse blocks and disconnects.

Ratings

Volts: 600Vac to UL 248-12
600Vdc to UL 2579

Amps: 20-350A

Interrupting Rating: 200kA RMS sym, AC
20kA DC (20-60A)
10kA DC (70-350A)

Agency Information

UL Std. 248-12, Class RK5, UL Listed, Guide JFGA, File E335324, Photovoltaic to UL 2579. CSA component certified C22.2.

Catalog Numbers (amps)

PVS-R-20	PVS-R-40	PVS-R-80	PVS-R-150	PVS-R-250
PVS-R-25	PVS-R-50	PVS-R-90	PVS-R-175	PVS-R-300
PVS-R-30	PVS-R-60	PVS-R-100	PVS-R-200	PVS-R-350
PVS-R-35	PVS-R-70	PVS-R-125	PVS-R-225	

Installation

Fits standard Class R blocks & disconnects (combiner boxes, recombiner boxes, DC safety switches).

Performance Characteristics

Temperature Derating: Designed to maximize rated capacity in elevated environmental temperatures.

Overload Protection: Proven to clear faults faster than the UL requirement.

Power Loss: Minimal energy consumption leading to increased efficiency.

Catalog Number	Amp Rating	Power Loss (Watts)*	
		$0.8 \times I_n$	$1.0 \times I_n$
PVS-R-30	30A	2.3	4.0
PVS-R-60	60A	5.0	8.8
PVS-R-100	100A	7.6	13.6
PVS-R-200	200A	19.7	28.5
PVS-R-350	350A	24.6	43.5

* I_n = Rated current.

Protection for Many PV Applications

Cooper Bussmann is committed to developing products that offer superior protection to PV installations.

The PVS-R fuse is just one of many innovative products that can be applied in many areas, and offers operators, integrators, contractors and distributors the best protection available.

The result is that personnel, equipment and the environment all receive a higher level of protection that optimizes system performance throughout the entire life cycle of the installation.



PV Recombiner Boxes



DC Safety Switches



Standard Fuse Blocks