

## PVS-R Series Fast-Acting, UL Listed 600Vac/dc Solar Fuses



**Catalog Symbol: PVS-R**

### Description

A range of UL 2579 fast-acting 600Vdc Class RK5 fuses specifically designed to protect solar power systems in extreme ambient temperature, high cycling and low level fault current conditions (reverse current, multi-array fault).

### Specifications

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	

### Carton Quantity and Weight

Amp Ratings	Carton Qty.	Weight Per Carton	
		Lbs.	Kg.
20-30	10	1.45	0.658
35-60	10	3.35	1.520
70-100	1	0.40	0.181
125-200	1	1.08	0.490
225-350	1	2.25	1.021

### Dimensions - in (mm)

Amp Range	A	B
20-30	5.0 (127.0)	0.81 (20.6)
35-60	5.5 (139.7)	1.06 (27.0)
70-100	7.88 (200.0)	1.34 (34.0)
125-200	9.63 (244.5)	1.84 (46.7)
225-350	11.63 (295.3)	2.38 (60.5)



### Power Loss (Watts)

Catalog Number	Amp Rating	Power Loss (Watts)	
		0.8 x I <sub>n</sub>	1.0 x I <sub>n</sub>
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<sub>n</sub> = Rated current.

### General Information

- Designed specifically for the protection and isolation of photovoltaic systems.

### Typical Applications

- Photovoltaic Systems
- Recombiner Boxes
- Solar DC Safety Switches

### Recommended Fuse Blocks and Gear

Fits into standard Class RK5 holders, blocks and disconnects.

R600 Series Data Sheet 1111

DC Safety Switch Data Sheet 1162

### Time-Current Characteristic Curves—Average Melt



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