

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)

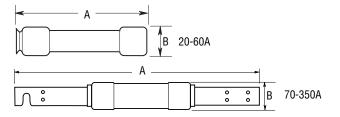
PVS-R-20	PVS-R-40	PVS-R-80	PVS-R-150	PVS-R-250
PVS-R-25	PVS-R-50	PVS-R-90	PVS-R-175	PVS-R-300
PVS-R-30	PVS-R-60	PVS-R-100	PVS-R-200	PVS-R-350
PVS-R-35	PVS-R-70	PVS-R-125	PVS-R-225	

Carton Quantity and Weight

Amp	Carton	Weight F	Weight Per Carton	
Ratings	Qty.	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	Α	В	
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	Amp	Power Loss (Watts)		
Number	Rating	0.8 x I _n	1.0 x l _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.

General Information

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

Typical Applications

· Photovoltaic Systems

• Recombiner Boxes

• Solar DC Safety Switches

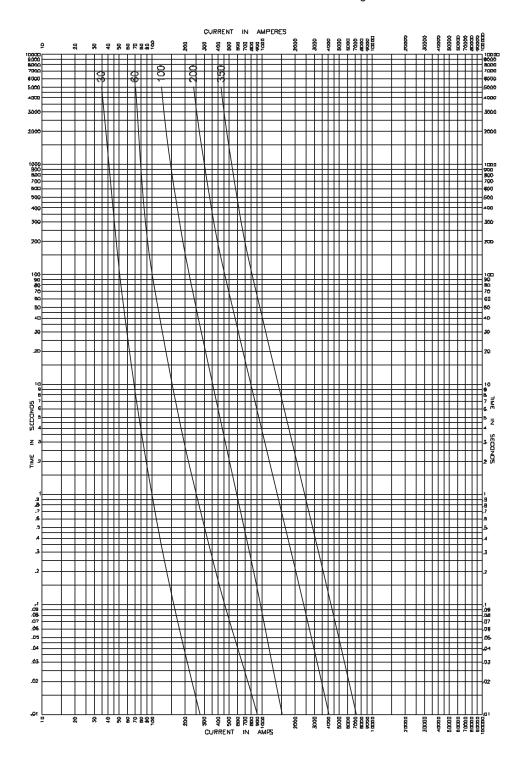
Recommended Fuse Blocks and Gear

Fits into standard Class RK5 holders, blocks and disconnects.

R600 Series Data Sheet 1111
DC Safety Switch Data Sheet 1162

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Time-Current Characteristic Curves—Average Melt



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