

Solar PV to Water Heater Calculator

www.davidpoz.com

Fill in the yellow cells:

Solar Panel Information:

V _{mpp} :	34	Volts
I _{mpp} :	8	Amps
# of Panels in Series:	2	s
# of Parallel Strings:	1	p

Total # of Panels:	2 Panels
Total V _{mpp} :	68 Volts
Total I _{mpp} :	8 Amps
Total Power:	544 Watts
Plus 25% safety:	680 Watts
MPP Resistance:	8.5 Ohms

Common Element Sizes:	Volts	Watts	Ohms	Match:
https://amzn.to/2UKWWbP	240	6500	8.862	GOOD
https://amzn.to/2DWeXyf	240	6000	9.600	GOOD
https://amzn.to/2GsCClv	240	5500	10.473	GOOD
https://amzn.to/2SxlvKP	240	4500	12.800	
https://amzn.to/2MRvmXM	240	3800	15.158	
https://amzn.to/2Df1GiU	240	3500	16.457	
https://amzn.to/2UKPxZY	240	2500	23.040	
https://amzn.to/2DdcsGg	240	2000	28.800	
https://amzn.to/2MU6nmp	120	2000	7.200	
https://amzn.to/2t9diiM	120	1650	8.727	GOOD
https://amzn.to/2WM5scz	120	1500	9.600	GOOD
https://amzn.to/2WM6Bkn	120	1440	10.000	GOOD
https://amzn.to/2TzHclH	120	1000	14.400	
https://amzn.to/2t9z1Hd	48	2000	1.152	
https://amzn.to/2WLhjrm	48	1500	1.536	
https://amzn.to/2HY9drT	48	1000	2.304	
https://amzn.to/2DYPcgP	48	600	3.840	
https://amzn.to/2WNDmxE	24	900	0.640	
https://amzn.to/2WIUu7r	24	600	0.960	
https://amzn.to/2HUgjuU	24	300	1.920	
https://amzn.to/2HWAAl4	12	700	0.206	
https://amzn.to/2HXaiAp	12	600	0.240	
https://amzn.to/2DVAGX3	12	300	0.480	
https://amzn.to/2BqWZIT	12	150	0.960	