

Vehicles

Small Campervan / Caravan

Large Motorhome / Large Caravan

People	When	Usage	Panel options			Usage	Panel options		
			Flexi	Rigid	Fold-up		Flexi	Rigid	Fold-up
2 PEOPLE	APRIL - AUGUST	Battery maintenance when not used	<u>5W</u> <u>10W</u>	<u>5W</u> <u>10W</u>	<u>8W</u>	Battery maintenance when not used	<u>5W</u> <u>10W</u>	<u>5W</u> <u>10W</u>	<u>8W</u>
		Lights / water pump only	<u>10W</u>	<u>10W</u>		Lights / water pump / radio / CD		<u>45W</u>	<u>40W</u>
		Lights / water pump / TV for 2hrs / 4hrs per day	<u>20W</u>	<u>20W</u> <u>30W</u>		Lights / water pump / TV for 2hrs / 3hrs	<u>60W</u> <u>80W</u>	<u>60W</u> <u>80W</u>	<u>60W</u>
	ALL YEAR ROUND	Lights / water pump only		<u>45W</u>	<u>40W</u>	Lights / water pump / radio / CD	<u>60W</u> <u>80W</u>	<u>60W</u> <u>80W</u>	<u>60W</u>
		Lights / water pump / TV for 2hrs per day	<u>60W</u>	<u>45W</u> <u>60W</u>	<u>40W</u> <u>60W</u>	Lights / water pump / TV for 2hrs per day	<u>80W</u> <u>110W</u>	<u>80W</u> <u>100W</u>	
		Lights / water pump / TV for 4hrs per day	<u>60W</u> <u>80W</u>	<u>60W</u> <u>80W</u>	<u>60W</u> <u>90W</u>	Lights / water pump / TV for 3hrs per day	<u>110W</u> <u>150W</u>	<u>100W</u> <u>125W</u>	<u>120W</u>
4 PEOPLE	APRIL - AUGUST	Lights / water pump only	<u>20W</u>	<u>20W</u> <u>30W</u>		Lights / water pump / radio / CD	<u>60W</u> <u>80W</u>	<u>60W</u> <u>80W</u>	<u>60W</u>
		Lights / water pump / TV for 2hrs per day		<u>30W</u>	<u>40W</u>	Lights / water pump / TV for 2hrs per day	<u>80W</u> <u>110W</u>	<u>80W</u> <u>100W</u>	
		Lights / water pump / TV for 4hrs per day	<u>60W</u>	<u>45W</u> <u>60W</u>	<u>40W</u> <u>60W</u>	Lights / water pump / TV for 3hrs per day	<u>150W</u>	<u>125W</u>	<u>120W</u>
	ALL YEAR ROUND	Lights / water pump only	<u>60W</u>	<u>45W</u> <u>60W</u>	<u>40W</u> <u>60W</u>	Lights / water pump / radio / CD	<u>110W</u>	<u>100W</u>	<u>120W</u>
		Lights / water pump / TV for 2hrs per day	<u>60W</u> <u>80W</u>	<u>60W</u> <u>80W</u>	<u>60W</u> <u>90W</u>	Lights / water pump / TV for 2hrs per day	<u>150W</u>	<u>125W</u>	
		Lights / water pump / TV for 4hrs per day	<u>80W</u> <u>110W</u>	<u>80W</u> <u>100W</u>	<u>90W</u> <u>120W</u>	Lights / water pump / TV for 3hrs per day	<u>150W</u> <u>200W</u>	<u>150W</u> <u>200W</u>	<u>200W</u>

12V Fridge - typically these use around 40W an hour. For each hour of use go up 1 panel size for April-August use, and 2 panel sizes for the rest of the year.

If you're not sure, you can use this calculator to work out what you need [CLICK HERE](#)

NOTES: A 5W panel should be used with a battery >35Ah capacity, or add a charge controller
 An 8W panel should be used with a battery >60Ah capacity, or add a charge controller
 A 10W panel should be used with a battery >75Ah capacity, or use a charge controller
 If no panel is listed in a particular category, we recommend going up one panel size
 Fold-up panels are not designed for permanent installation as they are not waterproof
[Link to our range of charge controllers](#)



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