

# DPA | Off-grid Load Calculator - Webpage mockup

FONT  
Montserrat  
Regular and Bold

Frutiger is the font specified in the DPA design guidelines, however, the current web page fonts are varied so I have chosen Montserrat as it is close to Frutiger and is also a Google Font.

Hex #005288

Hex #00A4E4

Hex #E4F1FB

Hex #BE1E2D

DPA Solar

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Off-grid Load Calculator

We want to help you calculate the system that's right for you. Fill out the table below to estimate energy usage. We've included some common household appliances. Try to account for everything.

Select the appliances that are in the home or business.

Use the up or down arrows to increase the number of units if more than one or select 'Delete' if you don't have that appliance.

Fill out 'Watts' - you can check this on the name plate of the appliance.

Select 'More appliances' for more options or to enter an appliance not in the list.

Click the CALCULATE button.

Appliance	Quantity	Watts	Hours per day	Watt Hrs per day	
KITCHEN					
Kettle	25	12000	1.5	351256	
Toaster	2	12000	1.5	351256	
Fridge / Freezer	2	12000	1.5	351256	
Electric stove top	2	12000	1.5	351256	
Electric oven	1	12000	1.5	351256	
Dishwasher	1	12000	1.5	351256	
Microwave	1	12000	1.5	351256	
+ More appliances					
BATHROOM					
Hair dryer	2	12000	1.5	351256	
Hair styling appliances	1	12000	1.5	351256	
Heated towel rail	1	12000	1.5	351256	
Exhaust fan	1	12000	1.5	351256	
+ More appliances					
LAUNDRY / CLEANING					
Washing machine	2	12000	1.5	351256	
Clothes dryer	1	12000	1.5	351256	
Iron	1	12000	1.5	351256	
Vacuum cleaner	1	12000	1.5	351256	
+ More appliances					
CALCULATE		TOTAL WATTS	120,000	TOTAL WATT HRS	351,256.00

Daily kWh usage

Enter 'Effective Sun Hours' for your area in mid winter

Minimum solar PV (assumptions...)

Percentage of appliances on at one time

Continuous Load (Watts)

Days of Autonomy required

Battery capacity at 80% doc

35,000

2 hrs

17.5 kW

80%

9,400

1

43 kWh

SUBMIT

Enter SUBMIT to email this report to sales@dpsasolar.com.au

Fill out your details below, and DPA will contact you.

Please tick here, if you would like us to pass your details to an installer in your area.