

SPS Solar Power System sizing form

Name : _____

Address : _____

Post Code : _____ Phone : _____ Mobile : _____

Appliance	Number of appliances	Voltage 12, 24, 240 or 415 Volts = V	Amps or Current = A	Wattage = W	Hours per day appliance is operating	Wattage x Hrs/day: For Office use only.
Entertainment						
TV						
TV Recorder						
Game Consoles						
DVD						
Radio						
Stereo						
Laundry						
Washing machine						
Vacuum Cleaner						
Iron						
Sewing machine						
Eg Vacuum Cleaner	1	240		1400	30 mins = 0.5	
Kitchen						
Freezer						
Food Mixer						
Microwave						
Fridge						
Toaster						
Dish washer						
Kettle						
Eg Toaster	1	240		2000	5 Min = 0.05	
Services						
Computer						
Printer						
Modem						
Fans						
Pump						
Eg Printer	1	240	2		15 min = 0.25	
Other						

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Lighting

Lighting	Quantity	Voltage 12V, 24V, 240V = V	Hrs per day operating	Wattage = W	Wattage x Hours/day For Office use only
Eg. Room 1	2	240	2.5h	70	
Dining Room					
Living Room					
Kitchen					
Bedroom 1					
Bedroom 2					
Bedroom 3					
Bedroom 4					
Bathroom 1					
Bathroom 2					
Hallway					
Laundry					
Outside lights					
Garage					
Shed					
Other					

Example of manufacturers compliance plate.

All manufactures will have either W = wattage, A = Amps or V = Voltage rating on their compliance plate.

You need to write down at least 2 of the 3 ratings, (A, W, V) on the load sheet from each appliance, if there is only 2 reading leave the 3rd one blank.

Compliance Plate Computer Printer



HP Printer operated 1Hr 45mins on a Friday for work statements.

This equals 105mins of operations.
105mins/7days in a week = 15mins per day. = **0.25 @ (240V, 2A)**

Compliance Plate Vacuum Cleaner



Vacuum Cleaner operated for 3.5Hrs on Monday divided by 7 days = 30mins a day. = **0.5 @ (1400W, 240V)**

Compliance Plate Sandwich maker



Sandwich Maker: operated 5 mins a day = **0.05 @ (2000W, 240V)**