

MARSHALL

Solar & Energy

Power Consumption Assessment Form

To enable us to estimate the power required for your proposed or existing power system, we need to know what appliances equipment or lighting you wish to use, and the duration for which you would use them on a daily or weekly basis. We also need to know the power consumption for each of these items. Most electrical equipment has a stamp or a plate (usually underneath or on the back of the unit) showing its power specifications. This information is generally shown as wattage (W), but may also be written as amperage (A) or volt-amps (VA).

Please fill out the table following with your intended energy usage, and try to be as thorough as possible, because our quotation can only be as accurate as these figures.

Name: _____

Phone: _____

Postal Address: _____

System Address: _____

Location	Power Typical (Watts)	Power Yours (Watts)	Qty	Average hours Per day Typical	Average hours Per day Yours	Total energy use Typical (Watts)	Total energy use Yours (Watts)
KITCHEN							
Lighting	36			1		36	
Refrigerator	1500			Per/24 hour		1500	
Toaster	1500			0.15		225	
Microwave	1200			0.25		300	
Other							
DINING ROOM							
Lighting	18			1		18	
Other							
LOUNGE							
Lighting	36			5		180	
Television	100			3		300	
VCR/DVD	40			0.3		12	
Sound System / Radio	30			3		90	
Computer: Laptop or Desktop, printer etc	250			1		250	
Vacuum cleaner	1000			0.3		300	
Other							
LAUNDRY							
Lighting	18			0.07		1.26	
Washing Machine	500			0.3		150	
Clothes Dryer	2400			0.16		333	
Iron	1500			0.3		450	
Pressure pump	350			0.5		175	
Other							
Peak Watts	10,478.00			Watt Hours per day		4,320.26	
GARAGE							
Lighting	36			0.07		2.52	
Other							
Other							
Other							
STUDY							
Lighting	18			1		18	
Other							
BEDROOM 1							
Lighting	18			1		18	
Other							
BEDROOM 2							
Lighting	18			1		18	
Other							
BEDROOM 3							
Lighting	18			1		18	
Other							
BATHROOM							
Lighting	18			1		18	
Other							
Peak watts	10,604.00			Watt Hours per day		4,412.78	

Please answer the following:

Do you have mains connection - is mains connection available?

Yes

No

Distance to nearest mains point?

Quote for mains connection

Do you own a petrol or diesel generator

Yes

No

If yes please provide generator manufacturer and size in kVa

Please note: The completed appliance use table allows us to design a power system to your specific needs; all lighting is based around 9watt low energy lamps. Alternatives to electricity need to found for any heating, hot water and cooking of food.

Once these large loads are eliminated and any other appliances which may have to be purchased are of low power consumption your system should be of a reasonable size.

Where average daily use does not constitute a full hour, then a partial hour must be calculated, this is achieved y the minuets divided by 60. For example laundry lights at 20 watts used for 4 minutes per day would be $4/60 = 0.07$ & therefore $0.07 \times 20 = 1.4$ watts.

Please e-mail your completed form to sales@marshallsolarandenergy.com.au