

# System Performance

During daylight hours, your solar PV system will be generating electricity at varying rates depending on the amount of sunshine. The more sunlight falling on the solar array the more electricity is generated. Variable factors such as cloud cover, seasonal solar angle variations, shading or soiling of the solar array will have an effect on the electricity output.

The following table indicates the expected average daily generation (in kWh) based on a 1kilowatt (1kW) PV array at the specified orientation with a 22.5° tilt angle, without shading.

## ► Calculating the Average Daily Generation:

Use the following calculation to determine the expected average daily generation for your system.

**System size in kW x Specific value from following tables = Average daily kWh generated**

For example: A PV system in Melbourne with panels facing North West during the month of March would generate an average of 4kWh's of electricity per day per kW installed

Therefore, a 3kW system installed as per the scenario above would generate:

**3 (system size in kW) \* 4 (kWh value from following table - based on city, orientation & month)  
= 12kWh on average per day for the month of March.**

## MELBOURNE

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>No. of Days</b>	31	28	31	30	31	30	31	31	30	31	30	31
<b>West</b>	5	4	4	3	2	2	2	2	3	4	5	5
<b>North West</b>	5	5	4	3	2	2	2	3	3	4	5	5
<b>North</b>	5	5	4	3	2	2	2	3	3	4	5	5
<b>North East</b>	5	4	4	3	2	2	2	3	3	4	5	5
<b>East</b>	5	4	3	2	2	1	2	2	3	4	4	5

## ► Actual System Performance (to be completed by system owner):

Date of connection to the grid:

E-Total reading on inverter at end of year 1	Daily average	kWh
E-Total reading on inverter at end of year 2	Daily average	kWh
E-Total reading on inverter at end of year 3	Daily average	kWh