

# Solar

# Guide

All the right choices.

## 1 Which zone?

From the map, select zone 1 to 4 that corresponds to the location for the system.

## 2 How big is the load?

Determine how much hot water will be needed. There are 3 categories: Small (120L/Day), Average (200L/Day) and Large (300L/Day). This allows for standard household fixtures. If there are extra considerations such as a spa bath or 'heavy' use from family members it is best to select the next size load.

## 3 Is it a Freeze Area?

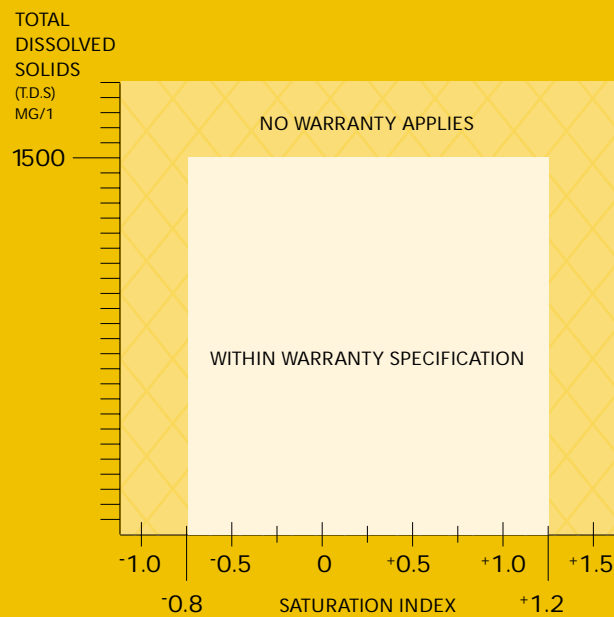
The area shaded red on the map is not usually subject to freeze conditions. Only an L or DES should be used. Areas shaded blue require an LX series.

Notes:

- Coastal regions are not subject to frost up to 15km inland. This means areas such as the Perth foothills and the Western Suburbs of Sydney are subject to frost.
- Southern Coastal Regions of WA and SA plus all coastal regions of Victoria and Tasmania are subject to frost.

## 4 Check that the water quality is satisfactory.

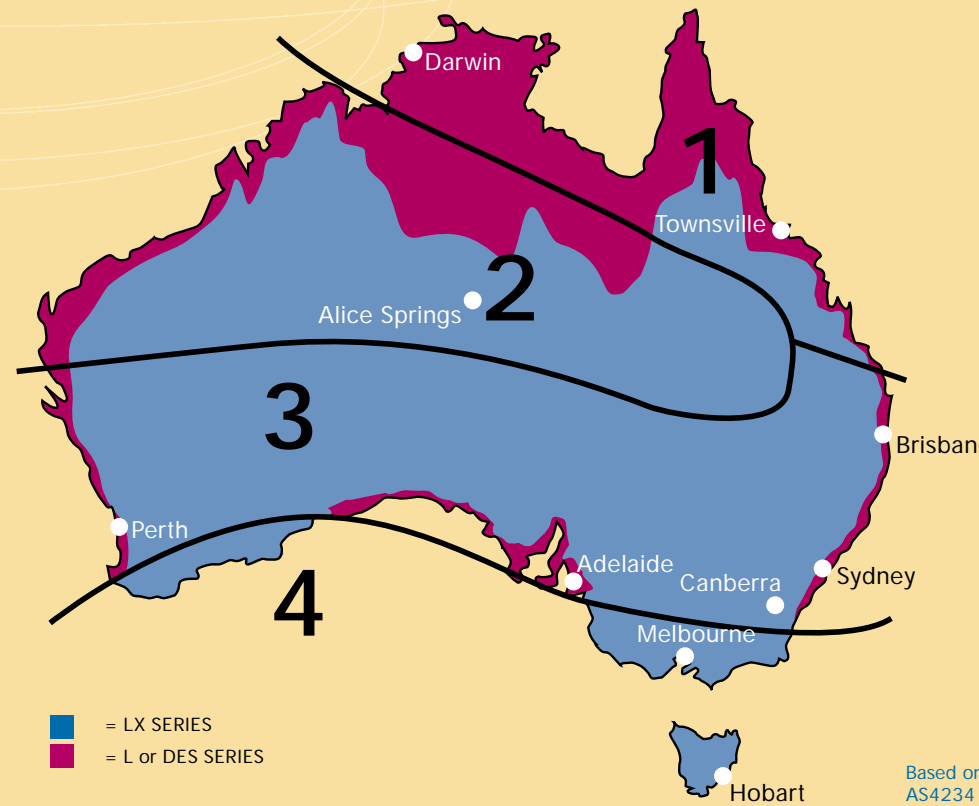
Scheme water conforming to Australian Drinking Water Guidelines is suitable. Systems not on scheme water require testing to determine its saturation index. This index is used to predict the scaling or corrosive nature of the water.



pH - 6.5-8.5  
Total Hardness - 250ppm max.  
Chlorine - 300ppm max.  
Sodium - 150ppm max.  
Iron - 1ppm max.

System to be installed as per manufacturers specifications

## Climate zones



## Model selection

## guide

LOAD	SMALL 120L day				AVERAGE 200L day				LARGE 300L day			
	1	2	3	4	1	2	3	4	1	2	3	4
L180/1	☒	☒	☒	—	—	—	—	—	—	—	—	—
L180/2	☒	☒	☒	—	—	—	—	—	—	—	—	—
L305/1	☒	☒	☒	—	☒*	☒*	☒*	—	—	—	—	—
L305/2	—	—	—	—	☒	☒	☒	—	☒	—	—	—
L305/3	—	—	—	—	—	—	—	—	☒	☒*	☒*	—
L440/3	—	—	—	—	—	—	—	—	—	☒	☒	—
L440/4	—	—	—	—	—	—	—	—	—	—	☒	—
LX180/1	☒	☒	☒	☒	—	—	—	—	—	—	—	—
LX180/2	☒	☒	☒	☒	—	—	—	—	—	—	—	—
LX305/1	☒	☒	☒	☒	☒*	☒*	☒*	—	—	—	—	—
LX305/2	—	—	—	—	☒	☒	☒	☒*	☒	—	—	—
LX305/3	—	—	—	—	—	—	—	☒	☒	☒*	☒*	☒*
LX440/3	—	—	—	—	—	—	—	—	—	☒	☒	☒
LX440/4	—	—	—	—	—	—	—	—	—	—	—	☒
DES125/1	☒	☒	☒	—	—	—	—	—	—	—	—	—
DES250/2	—	—	—	—	☒	☒	☒	—	—	—	—	—
DES315/3	—	—	—	—	—	—	—	—	☒	☒	☒	—

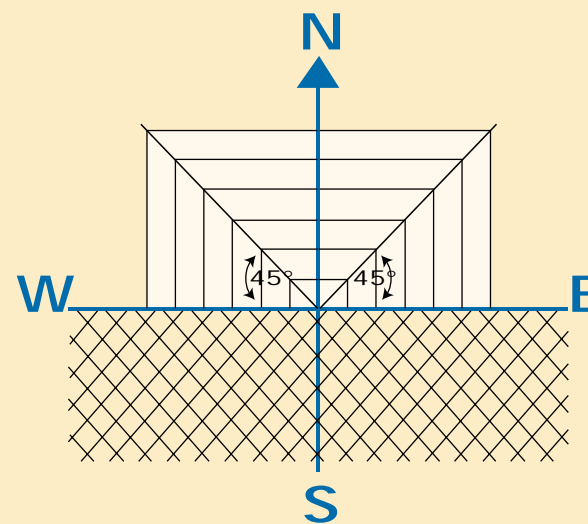
☒ = YES

— = NO

\* = NOT SIZED TO MAXIMISE SOLAR CONTRIBUTION

## Orientation

### 5 Confirm the Roof orientation, Pitch and Area.



- = Standard System
- = System requires a side pitch frame or additional collector
- = Reverse pitch frame required

LOCATION	Acceptable range of Pitch	Optimum Pitch for Performance	Tank Capacity (L)	No. panels	Roof area (mm)
Adelaide	15-55°	35°	180	1	2390x3540
Alice Springs	12-53°	32°	180	2	3280x3540
Brisbane	8-50°	25°	305	1	3280x3540
Canberra	12-53°	33°	305	2	3280x3540
Darwin	8-35°	15°	305	3	4280x3540
Hobart	22-62°	42°	440	3	4280x3540
Melbourne	18-58°	38°	125	1	1000x2000
Perth	12-54°	32°	250	2	2000x2000
Sydney	12-53°	34°	315	3	3000x2000

## EDWARDS HOT WATER

solar electric gas solutions