

**Gas Appliance Guide**  
**For single dwelling detached residential homes**

# Right at home in a 7 Star build with gas



This guide provides gas appliance options when building or renovating a single dwelling home.

Now you can choose gas complemented by solar for 7-Star Energy Efficiency for ultimate comfort.

We'll work with you to strike the right balance between affordability and reliability without compromising comfort.

**We make it easy.  
Find out how.**

 **Australian Gas  
Infrastructure Group**

 Dampier Bunbury  
Pipeline

 Multinet  
Gas Networks

 Australian  
Gas Networks

Today, 6.5 million homes rely on natural gas for either cooking, instant hot water, cosy heating or firing up the barbie.

Pairing gas with solar energy is an effective way to meet the energy requirements outlined in the 7-Star rating for new builds, and give your customers the comfort they love to live with.

### How to read the table

The table sets out the minimum amount of solar energy required to qualify for a 7-Star energy efficiency rating if you choose to use gas appliances. The minimum amount of solar energy required varies depending on planned floor size of the dwelling and the different bundles of common gas appliances that you could choose. The table is to be used for new single story dwellings in Victoria (Zone 6 & 7). Refer to page 4 for suburb coverage relevant for our natural gas network.

The solar energy required to achieve the 7-Star energy efficiency rating can be achieved via either solar PV panels, or a combination of solar gas hot water and solar PV panels.

All calculations are based on energy ratings in line with Seasonal Star Ratings 2019.

Generally, a minimum 3kW solar panel is required when you opt for gas hot water and heating appliances in your build.

The 7 Star Energy Efficiency Building Standard under the National Construction Code sets the minimum standard that new homes should be built to. Homes have an energy budget that includes fixed appliances such as heating and cooling, hot water and lighting.

**Zone:** Refers to climatic conditions around the country.

Refer to the Australian Building Codes Board website for detailed climate zone map <https://www.abcb.gov.au/resources/climate-zone-map>

**Floor Area:** The square footage of the internal home areas.

This does not need to include porticos, garage area and outdoor spaces in size.

## Class 1 Buildings

### Zone 6 & 7

	Solar Size	
	3kW	4kW
<b>Up to 200m<sup>2</sup></b>		
<b>Option 1</b>		
Evaporative cooling	●	●
Gas heating less than 4.5 Star (ducted)		
Gas instantaneous hot water		
Gas cook top		
<b>Option 2</b>		
Evaporative cooling	●	●
Gas heating (non-ducted)		
Gas instantaneous hot water		
Gas cook top		
<b>Option 3</b>		
Evaporative cooling	●	●
Gas heating 4.5 to less than 6 Star (ducted or non-ducted)		
Gas instantaneous hot water or gas storage		
Gas cook top		
<b>Option 4</b>		
Evaporative cooling	●	●
Gas heating greater than or equal to 6 Star (ducted)		
Gas instantaneous hot water or gas storage		
Gas cook top		
<b>200m<sup>2</sup> to 300m<sup>2</sup></b>		
<b>Option 1</b>		
Evaporative cooling	●	●
Gas heating 3 to less than 4.5 Star (ducted or non-ducted)		
Gas instantaneous hot water		
Gas cook top		
<b>Option 2</b>		
Evaporative cooling	●	●
Gas heating less than 3 Star (non-ducted)		
Gas instantaneous hot water or gas storage		
Gas cook top		
<b>Option 3</b>		
Evaporative cooling	●	●
Gas heating greater than or equal to 6 Star (ducted)		
Gas instantaneous hot water or gas storage		
Gas cook top		

# Right at home in the builds of tomorrow is gas.

## Class 1 Buildings

Zone 6 & 7

	Solar Size	
	3kW	4kW
<b>300m<sup>2</sup> Up to 400m<sup>2</sup></b>		
<b>Option 1</b>		
Evaporative cooling	●	●
Gas heating 3 to less than 4.5 Star (non-ducted)		
Gas instantaneous hot water		
Gas cooktop		
Gas log fire		
Gas outdoor kitchen and BBQ		
<b>Option 2</b>		
Evaporative cooling	●	●
Gas heating 4.5 to less than 6 Star (non-ducted)		
Gas instantaneous hot water or gas storage		
Gas cooktop		
Gas log fire		
Gas outdoor kitchen and BBQ		
<b>Option 3</b>		
Evaporative cooling	●	●
Gas heating greater than or equal to 6 Star (ducted)		
Gas instantaneous hot water		
Gas cooktop		
Gas log fire		
Gas outdoor kitchen and BBQ		
<b>400m<sup>2</sup> to 500m<sup>2</sup></b>		
<b>Option 1</b>		
Evaporative cooling	●	●
Gas heating less than 3 to 4.5 Star (ducted)		
Solar gas hot water		
Gas cooktop		
Gas log fire		
Gas outdoor kitchen and BBQ		
Gas outdoor heating		
<b>Option 2</b>		
Evaporative cooling	●	●
Gas heating 4.5 to less than 6 Star (non-ducted)		
Gas instantaneous hot water		
Gas cooktop		
Gas log fire		
Gas outdoor kitchen and BBQ		
Gas outdoor heating		
<b>Option 3</b>		
Evaporative cooling	●	●
Gas heating greater than or equal to 6 Star (ducted)		
Gas instantaneous hot water		
Gas cooktop		
Gas log fire		
Gas outdoor kitchen and BBQ		
Gas outdoor heating		



## Zones by Local Government Area (LGA)

Zones refer to the climatic conditions around the country and are based on your local government area

### Zone 7

South Grampians	Hepburn	Yarra Ranges	Wangaratta
Ararat	Mount Alexander	Murrindindi	Alpine
Pyrenees	Macedon Ranges	Mansfield	East Gippsland
Ballarat	Baw Baw	Wellington	Towong

### Zone 6

West Wimmera	Latrobe	Surf Coast	Frankston
Gleneilg	Sth Gippsland	Colac Otway	Greater Dandenong
Horsham	Bass Coast	Warrnambool	Casey
Moynes	Cardinia	Brimbank	Knox
Northern Grampians	Mornington	Hobsons Bay	Monash
Corangamite	Nillumbik	Maribyrnong	Whitehorse
Loddon	Whittlesea	Moonee Valley	Manningham
Central Goldfields	Hume	Moreland	Maroondah
Greater Bendigo	Melton	Melbourne	Stonnington
Mitchell	Wyndham	Docklands	Boroondara
Strathbogie	Greater Geelong	Port Phillip	Yarra
Benala	Moorabool	Bayside	Darebin
Indigo	Golden Plains	Glen Eira	Banyule
Wodonga	Queenscliffe	Kingston	

### Zone 4

Mildura	Buloke	Campaspe
Swan Hill	Yarriambiack	Greater Shepparton
Gannawarra	Hindmarsh	Moira



## For more information

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