

CEMA Solar Hot Water Heating System



System Description



CEMA solar hot water heating system is specially designed for supply of hot water for both residential and commercial. It uses an efficient pump with a smart controller to circulate water in the system through a storage tank and solar collector. While the collector is installed on the roof, the tank and the controller are separately installed inside of the building, thus name as split system. The piping line between the components is made by copper and a special insulation with high temperature resistance is used for the solar heating system. An anti-freezing function in the smart controller has been implemented to enable the use capability of the system during freezing periods in winter.

Features

- Split tank collector system
- High efficiency evacuated tubes collector with ultra-selective coating enabling high absorption and low emission
- Up to 40% improvement over flat plate collectors on cloudy days
- Enamelled storage tank provides superior corrosion resistance
- Electrical or Bosch gas back up enabling operation while overcast or rainy
- Smart controller with multi-sensors enabling featuring controls and intelligent controls
- Anti-freezing control and over-heating-protective control
- 250L to 400L hot water capacity with four-season constant service
- CER registered and WaterMark, AS/NZ-2712 certified
- High STC & rebates available

Technical Specifications:

System Model	Capacity of Water Tank	Collector Spec.	Net Absorb. Area ² (m)	STCs			
				Zone 1	Zone 2	Zone 3	Zone 4
Gas Boost System							
CMS58-24-250-GS	250 L	Φ58×1800×24pcs	1.92	14	16	15	13
CMS58-30-250-GS		Φ58×1800×30pcs	2.40	24	27	23	20
CMS58-30-315-GS	315 L	Φ58×1800×30pcs	2.40	24	27	23	21
CMS58-40-315-GS		Φ58×1800×40pcs (2 units of 20pcs)	3.20	28	30	29	25
CMS58-40-400-GS	400 L	Φ58×1800×40pcs (2 units of 20pcs)	3.20	27	29	27	23
CMS50-48-400-GS		Φ58×1800×48pcs (2 units of 24pcs)	3.84	35	39	34	29
CMS58-24-250-GI	250 L	Φ58×1800×24pcs	1.92	14	16	15	13
CMS58-30-250-GI		Φ58×1800×30pcs	2.40	24	27	23	20
CMS58-30-315-GI	315 L	Φ58×1800×30pcs	2.40	24	27	23	21
CMS58-40-315-GI		Φ58×1800×40pcs (2 units of 20pcs)	3.20	28	30	29	25
CMS58-40-400-GI	400 L	Φ58×1800×40pcs (2 units of 20pcs)	3.20	27	29	27	23

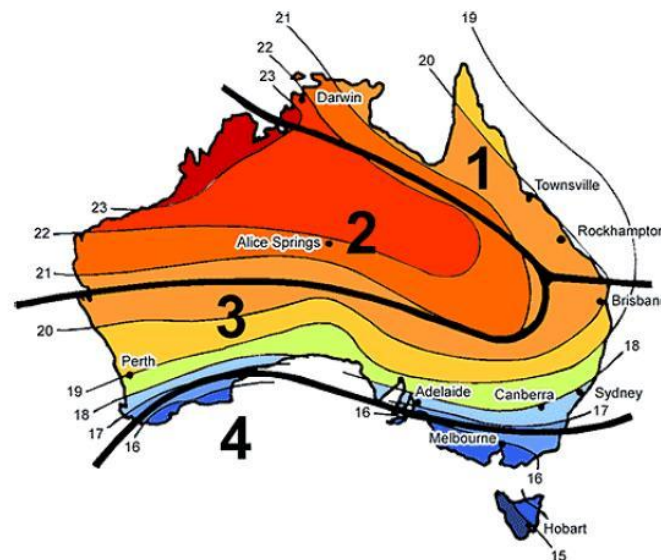
CMS50-48-400-GI		Φ58×1800×48pcs (2 units of 24pcs)	3.84	35	39	34	29
Electrical Boost System							
CMS58-24-250-EMS	250 L	Φ58×1800×24pcs	1.92	17	18	17	14
CMS58-30-250-EMS		Φ58×1800×30pcs	2.40	27	30	26	22
CMS58-30-315-EMS	315 L	Φ58×1800×30pcs	2.40	28	30	27	23
CMS58-40-315-EMS		Φ58×1800×40pcs (2 units of 20pcs)	3.20	37	41	35	30
CMS58-40-400-EMS	400 L	Φ58×1800×40pcs (2 units of 20pcs)	3.20	37	41	35	30
CMS50-48-400-EMS		Φ58×1800×48pcs (2 units of 24pcs)	3.84	40	43	39	34
CMS58-24-250-EMI	250 L	Φ58×1800×24pcs	1.92	17	18	17	14
CMS58-30-250-EMI		Φ58×1800×30pcs	2.40	27	30	26	22
CMS58-30-315-EMI	315 L	Φ58×1800×30pcs	2.40	28	30	27	23
CMS58-40-315-EMI		Φ58×1800×40pcs (2 units of 20pcs)	3.20	37	41	35	30
CMS58-40-400-EMI	400 L	Φ58×1800×40pcs (2 units of 20pcs)	3.20	37	41	35	30
CMS50-48-400-EMI		Φ58×1800×48pcs (2 units of 24pcs)	3.84	40	43	39	34

*STCs confirmed and registered by CER.

Renewable Energy Certificates

AS/NZS 4234:2007 Climatic Zones

Used in determining the Renewable Energy Certificates across Australia





For more information please visit www.cma-solar-wind.com.au



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