



CMD SOLAR

NATURALLY HOT WATER

www.cmdsolar.com.au



Solar Hot Water...naturally

Designed for Australians | 7 YEAR comprehensive warranty | 270-450 Litre capacity | Suit 2 to 7 persons

CMD Solar Water Heaters

Hands-on, extensive product design and installation experience

CMD Solar is proudly Australian owned and operated. Understandably, we are pleased to offer to the market our range of safe, efficient and reliable solar water heaters and solar ready tanks. Specializing in over 35 years of hands on plumbing installation experience - combining substantial hot water engineering and design - CMD Solar offers a truly first class system at an affordable, competitive price.

Excellence in Design and Manufacture

Designed for Australian families to capture our Sun

- World class solar design - Highly efficient and reliable
- Three tank sizes to suit all household requirements
- Long life enamel grade steel tank - A proven performer for Australian conditions
- Advanced panel absorber coating for maximum solar performance
- High quality German engineered pump for long life
- Programmable smart controller
- Built-in frost protection control

Design Benefits

Let your family enjoy the benefits of CMD Solar

- **Free Hot Water** - Use the inexhaustable supply of energy from the Sun
- **Eligible for Government STC's** - Government Small Scale Technology Certificates (STC's) apply for new solar installations (see below)
- **Combat spiraling energy costs** - Reduce your water heating energy consumption by up to 70%
- **Increase your property value** - Installation of a solar water heater can increase your property value
- **Reduce carbon emissions** - Save up to 3.3 tonnes of greenhouse gas emissions every year
- **Prepare for future solar installations** - Install a 'CMD Solar Ready' tank now and then panels at a later date to save cost
- **Plan for the future** - Install "Solar Ready" now and simply upgrade when you are ready

Financial Rebates and Incentives

The independently verified rebate values to save you money

Substantial rebates called Small Scale Technology Certificates or STC's are available as a financial reward and incentive for you to encourage your installation of a solar water heater. For more information regarding STC's and the financial benefit available to you, please visit www.orcr.gov.au and follow the Solar Water Systems links.

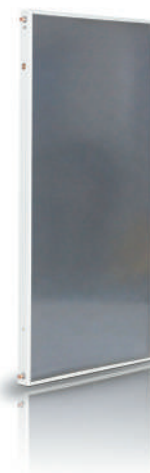
Why CMD Solar?

Our promise to you

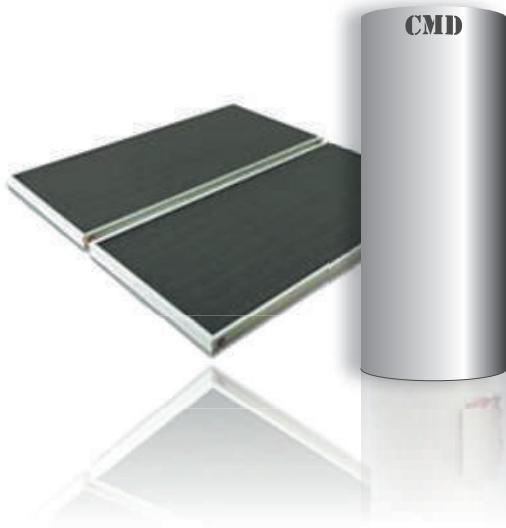
- The right advice regarding the best solution for your family's needs
- The highest quality solar system using only the best components
- All systems fully approved to all applicable Australian Standards
- Industry compatible warranties - 7 year tank warranty*
- Specialist installation and first-class after sales service



Purpose designed tank mounted German engineered pump and programmable controller



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About CMD Solar

How your CMD solar water heater will work for you

Water heating is the largest single source of greenhouse gas emissions from the average Australian home, accounting for around 23% of household emissions. Australians have been enjoying the benefits of solar water heating now for decades. The solar water heating industry has moved on from being a niche market in Australia and now over 600,000 homes in Australia benefit from solar water heating. Being an open circuit design, a small efficient pump will circulate cold water from the tank to the panels, when the water in the panels reaches 8° C above the water temperature measured at the tank. The electronic pump controller will monitor the temperatures at the tank and panels and optimise the natural heating effect of the sun before switching off the pump. This is the brains of the system. In this way, the heating effects of the sun are fully utilised for your household hot water usage.

On a cloudy day or at night if substantial draw-off of hot water occurs in the evening, the electric booster element, simply returns the water to the desired temperature ready for the next day.

CMD Solar Hot Water Split System

Keeps the weight off your roof for added safety

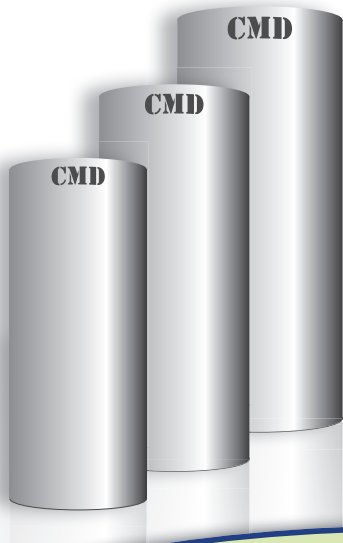
A CMD split system is engineered to take excessive weight off your roof by conveniently mounting the tank on the ground and installing the flat plate collectors, on your roof making it aesthetically pleasing.

1. Structural damage may result from roof mounted thermosiphon systems if not carefully considered, which could result in compromising the integrity of your roof.
2. Another advantage of a CMD split system is the ability of the tanks to be easily accessible on the ground for maintenance purposes.

CMD Solar Ready Tanks

Install solar ready now and simply upgrade when your ready!

One thing is certain about electric water heaters – they can often fail at inconvenient times in our lives. Thinking solar? An alternative to a solar installation right now is to install a CMD Solar Ready tank and then plan for the complete installation to suit you over time. You will still have the benefit of a solar ready electric water heater in the meantime so your hot water is guaranteed.



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Solar Hot Water...

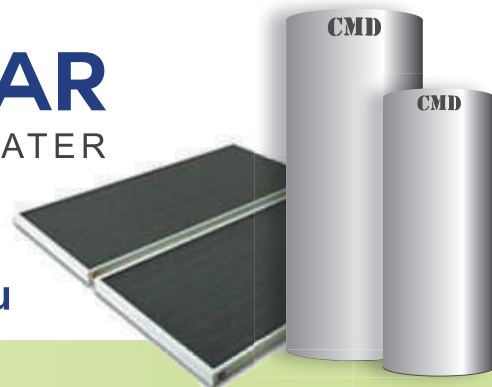
naturally

CMD Solar Systems DGFDS							
Model	Units	CMD272	CMD273	CMD342	CMD343	CMD452	CMD453
Nom. Storage Capacity	L	270	270	340	340	450	450
Number of Solar Panels		2	3	2	3	2	3
Tank weight (empty/full)	kg	84 / 354	84 / 354	102 / 442	102 / 442	150 / 600	150 / 600
Tank Dimensions (Ø x h)		648 x 1408	648 x 1408	648 x 1711	648 x 1711	730 x 1733	730 x 1733
Height to Cold Inlet	mm	82	82	82	82	83	83
Height to Solar Return	mm	569	569	687	687	673	673
Height to Outlet	mm	1169	1169	1472	1472	1473	1473
Height to Element Centre	mm	748	748	912	912	903	903
Booster Element Rating	kW	3.6	3.6	3.6	3.6	3.6	3.6
Storage Tank Material		Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel
Insulation		CFC Free	CFC Free	CFC Free	CFC Free	CFC Free	CFC Free
STC Values							
(Calculated at December 2013 for CER V20 – subject to change)							
Zone 1		36	42	37	43	36	43
Zone 2		40	44	41	45	40	45
Zone 3		36	43	37	44	35	43
Zone 4		31	38	32	39	31	38
CMD Flat Plate Collectors (FPC)				Pump & Controller			
Dimensions (h x w x l)	mm	2,000 x 1,000		Pump Type	Grundfos 15-20 CIL		
Aperture Dimensions	mm	1,950 x 950		Flow Rate	1 Litre / minute		
Collector Net Weight	kg	32		Controller Type	Aestiva S1000		
Fluid Content	L	1.66		Turn on/off ΔT	8 / 2° C		
Glass Type		3.2mm Toughened Glass		Frost turn on/off ΔT	3 / 5° C		
Absorber Coating		Blue Titanium - Selective					
Casing Material		Aluminium Alloy					

*** Comprehensive Product Warranty**



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