

Heating Otago for over a quarter century



Warm and Cool helps people to build homes that are continually warm and healthy with low running costs. We ban winter from New Zealand homes. Don't leave your plans out in the cold.

Warm and Cool Designs, Installs and Services heating and cooling systems. With more than a quarter century experience to draw on and have installed over 1000 Water Fed Floor Central Heating systems and many Radiator systems throughout Otago and Southland.

Heat Pump Central Heating & Heat Recovery

- Heat Pump powered European designed Quinn Integrale radiators for consistent, cost effective home heating, available in ceiling cassette units. Emmeti SlimFlow fan wall radiators for effective heating and cooling and available also in ceiling cassette units.
- Heat Pump fed Infloor heating plus optional Ceiling Cassette with cooling and available with Photovoltaic Solar Assist.
- Heat Pump powered retrofitted insulated floor heating for a more healthy comfortable economic home that will not cost the earth to run.



Carrier Ducted Heat Pump System

Ducted Heat Pump Powered Central Heating & Heat Recovery

- Discreet heat pump comfort distributed throughout the entire house via ducted ceiling or underfloor discharge grilles also able to be supported with Photovoltaic Solar.

Solar Energy

- Reduce your power bills with Electric / Photovoltaic Solar.
- Add a solar energy boost to your floor slab during winter - 1kW into your heat pump yields approx 3.5 to 4.2kW output
- Heat your domestic hot water with Water Solar Panels and optionally divert excess energy to the floor slab
- Power your home in the evening by combining free solar electricity with your battery storage system or coming soon from your electric vehicle.



Heat Pump Powered Low Energy Hot Water

- Utilise Heat Pump technology and enjoy up to and over 320% efficiency when heating your Domestic Hot Water. Swimming pools and spa pools can be up to 420% efficient.

Looking for the best solar PV system for your home?

Vikram Solar modules and GMDE battery storage solutions



Visit our showroom 9.00am to 5.00pm or by appointment

Ph 03 453 10 10 223 Kaikorai Valley Road, Dunedin

Visit: www.warmandcool.co.nz

Coming to Queenstown soon at Eastern Access Road, Frankton

www.warmandcool.co.nz



Helping New Zealanders create energy efficient homes and businesses.

Vikram Solar Ultima Silver Series



- Designed for very high area efficiency ideally suited for rooftop and ground-mounted applications
- Up to +2.5 Watts positive power output tolerance guaranteed ensuring faster return on investment
- Extremely reliable product suiting all environment conditions
- Engineered to provide excellent low light response
- Extremely narrow power binning tolerance to reduce current mismatch loss in single string



Quality and Safety

- 27 years of linear power output warranty **
- Rigorous quality control meeting the highest international standards
- 100% EL tested to ensure micro crack free modules
- Certified for PID resistance

- Certified for salt mist corrosion resistance – severity VI
- Certified for ammonia resistance
- Compatible with K2, HILTI & Schletter structures for short and long side clamping
- 3rd Party PAN file validated by PVEL
- Approved by OST energy

Applications

- On-grid large scale utility systems
- On-grid rooftop residential and commercial systems
- Off-grid residential systems

** Refer to Vikram Solar's warranty document for terms and conditions.

How does Photovoltaic Solar work?

Photovoltaic solar harnesses light, converting it to electricity through silicon crystals. The silicon crystals are man-made as single faceted crystals (mono-crystalline) or multi-faceted crystals (poly-crystalline). Polycrystalline crystals are more expensive to make used to have slightly better efficiency, but new production Methods have closed the gap, you will generally pay around the same price per watt produced from either type.



New Vikram 5MW panels in the UK

GMDE Powervortex 5200

- 5.0kW PV System with 7.2kWh Affordable Solar Battery Storage Solution
- Conforming with latest AS4777 certification standards, has a means of connecting to a GRID.
- Extremely competitive prices
- Grid export available
- Offer 2 mode options: maximizing self-use or Time of Use
- Save up to 70% household energy bill
- Protect your family from power outages



Powervortex 5200 hybrid inverter

The inverter converts the DC power produced by PV modules into AC power. The electricity is then primarily used by the loads, then being charged into the battery packs, only excess power is fed into the utility grid.

In combination with the batteries, this hybrid inverter help maximize the PV self-use in the household.

7.2kWh Lithium battery packs

Lithium battery system stores the energy generated from solar energy and increases self-use from 30% to 70%; 2.4kWh battery modular design, 3 modules of 7.2kWh in the standard system. Additional battery expandable to 9.6kWh.

ADL100-E/C energy meter

Adopt the 1-phase bi-directional energy meter for communication, and hybrid inverter controls when to charge/discharge according to the data from the meter. Online web portal and smart phone app available.

