

WATTS CURRENT

THE BATTERY AND SOLAR NEWSLETTER OF YHI NEW ZEALAND
DECEMBER 2013



YHI INSTALLS SOLAR AT CHRISTCHURCH BRANCH

Here at YHI we have introduced solar to our Christchurch branch

Power Usage

The average daily power usage of our Christchurch branch is 85kWh per day. With an average monthly power cost of \$600.00 excluding GST.

Savings

Installing a 10kW system provided an average production of 40kWh per day. This gave us an average daily power saving of 47% almost halving the daily cost of power for the branch!

Further Benefits

Because very little power is used on the weekends, we sell power back onto the residential grid at a rate of 0.25c per kWh for the first 5kWh per day and 0.10c per kWh for every kWh produced thereafter. This gives the sell back return of approximately \$4.00

per weekend to further offset our power costs. We have also avoided 720kg of CO2 emissions.

Financial Analysis

The retail cost of a 10kW Solar installation is \$28,000.00 excluding GST, the financial analysis indicates a profit contribution in the fifth year of operation whilst the cash flow analysis indicates a positive cash flow return in year ten.

With a life expectancy of 20 years this system offers a healthy return on investment and long term positive cash flow.

System Specifications

Forty 250W Renesola Panels and a 3 Phase 10kW SMA inverter, Neuton Power Aluminium Tin Interface Kit and Neuton Power raiiling system.



Christmas Opening Hours

Tue 24 Dec	Normal Hours	Sat 28 Dec	Closed	Wed 1 Jan	Closed
Wed 25 Dec	Closed	Sun 29 Dec	Closed	Thur 2 Jan	Closed
Thur 26 Dec	Closed	Mon 30 Dec	Normal Hours	Fri 3 Jan	Closed
Fri 27 Dec	Normal Hours	Tue 31 Dec	Normal Hours	Sat 4 Jan	Closed

*Normal opening hours will resume from Monday 6th January 2014

BATTERY TEST EQUIPMENT RANGE

DHC

The DHC Battery Tester range is fast, easy to use, accurate and affordable. Patented single load, dynamic resistance technology minimises battery drain during testing. Reading accuracy will not be compromised by conditions such as surface charge, parasitic drain & contact impedance. **For more information contact the Power Sales Team on 0800 99 33 44**

EV71:
Digital Deep Cycle Battery Tester with Printer

- 6V, 8V & 12V Deep Cycle Batteries
- Back-lit Display, 4 lines, 16 characters LCD
- Built in thermal printer
- Date/Time function
- Detachable test lead
- Test counter
- Preset algorithms



BT301:
Digital Automotive Battery Tester with Printer

- Back-lit display 2 lines 16 characters LCD
- 6V & 12V
- 1.5V - 30V Voltmeter
- Built in thermal printer
- Tests up to 2000 CCA



BT001:
Digital Automotive Battery Tester

- 6V & 12V
- 1.5V - 30V Voltmeter
- 2 lines 16 characters LCD
- Tests up to 2000 CCA



SOLAR INSTALLATION IN THE HAWKES BAY

YHI Customer and Solar distributor Kevin Hunter from Cellpower Hastings has installed a 3kW Delta grid tie system on his premises in Hastings. Kevin says the unit is performing efficiently in conjunction with the Renesola 250W panels and has reached peaks of 3.3kW of power production. Kevin says the system was easy to install and is impressed with the output. The comparative price for the systems combined with the ten year standard warranty make Delta a first choice solar option.

Hawkes Bay solar install specifications

Renesola:

Renesola Virtus 2 250W panel	12
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Delta:

SOLIVIA 3.0kW Solar Inverter	1
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Neutron Power:

Rail	6
Rail connector	4
40mm clamp	20
40mm end clamp	8
Hanger bolt	20
Cable clip	12
Ground clip	20
Ali grounding lug	4
Bonding jumper	4
Label Kit	1
4mm twin lap cable	100

Contact Us.

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Wellington
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Christchurch
ph. (03) 338 3125 fax. (03) 943 3961

Dunedin
Warehouse Freephone. 0800 020 027
ph. (03) 477 3382 fax. (03) 477 3384



YHI ATTENDS ANNUAL SEANZ COFERENCE

The annual SEANZ conference and expo was held in Wellington's Te Papa museum this year with many members from the organization displaying their products at the show. YHI staff members Brad Morrison and Brian Crum were on hand

to display YHI's range of new products including Delta inverters, Renesola Micro inverters and S-5 mounting systems. There was very high interest in the range on display and a good turnout by the public.



www.yhipower.co.nz

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