

WATTSCURRENT

NOVEMBER 2014

YHI & ENPHASE ENERGY JOIN FORCES



YHI (New Zealand) Ltd has partnered with Enphase Energy to distribute its world-leading microinverter-based solar photovoltaic (PV) system to the New Zealand solar installer community.

The YHI partnership means that Enphase Systems are now distributed in 12 countries, although Enphase has had a solid presence in New Zealand since 2011. Christchurch is the home of Enphase's Asia-Pacific Design and Engineering Centre, staffed by more than 20 specialists.

"We're looking forward to working with YHI on a strong launch into New Zealand," said Nathan Dunn, managing director, Asia-Pacific, Enphase

Energy. "New Zealand's solar market holds great potential and has an inherent preference for quality, which fits well with the Enphase value proposition."

Having built a reputation on quality products and distinctive service, it was important for YHI to align with a brand that the company could stand behind confidently.

"We are proud to be partnered with a global leader in innovative solar technology like Enphase," says Chris Talbot, managing director for YHI (New Zealand) Ltd. "The ease of installation, superior energy production, smart monitoring system, and reliable, safe operation are some of the key reasons we chose to offer Enphase Systems to our customers."

Enphase Energy delivers micro inverter technology for the solar industry that increases energy production, simplifies design and installation, improves system uptime and reliability, reduces fire safety risk and provides a platform for intelligent energy management. The semiconductor-based micro inverter system converts energy at the individual solar module level and brings a systems-based, high technology approach to solar energy generation.

For more information on the Enphase Microinverter System freephone 0800 99 3344 or view online at www.yhipower.co.nz

*See YHI & Enphase at the SEANZ Conference for an Enphase presentation inside the SEANZ Technology Stream - 8 November
SEANZ Conference - 7-8 November 2014, Auckland Museum Events Centre

YHI AUCKLAND INSTALLS AN IMPRESSIVE 52KW SOLAR SYSTEM

YHI Auckland recently installed a substantial 52Kw solar system on our premises in Manukau. We look forward to reporting our solar power generation and electricity savings data in our next Watts Current newsletter. In the meantime here is a quick look at our system

QUICK LOOK: YHI Auckland Solar Install

SYSTEM SIZE: 52kW
PV MODULES: 210 RENESOLA VIRTUS II 250W MODULES
MOUNTING SYSTEM: S-5 PROTEA BRACKETS WITH NEUTON POWER RAIL & FITTINGS
INVERTERS: DELTA RPI COMMERCIAL SERIES 15KW & 30KW INVERTERS



NEW PRODUCT: NEUTON POWER SOLAR CHARGE CONTROLLERS



The Neutron Power range of solar charge controllers offer outstanding value for money with high efficiency. Suitable for a variety of off grid applications such as trailer boats, camping, motorhomes and other off grid applications.



ENS SERIES
Highly efficient charge controller that utilises pulse width modulation (PWM) for increased battery life & optimised system performance

- 12 / 24VDC Auto Detect
- LCD screen displaying battery voltage, PV charge current, load discharge current, total PV charge Ah, total PV discharge Ah, low voltage disconnect, low voltage reconnect
- Electronic Protection functions
- External temperature sensor
- Temperature compensation automatically regulates charging and discharging parameters for improved battery life
- Power from pv indication
- Dual solar input terminals
- Suitable for use with GEL, Sealed Lead Acid & Flooded batteries



SLC SERIES
Fully automatic operation, utilising pulse width modulation (PWM) for increased battery life & optimised system performance

- 12 / 24VDC Auto Detect
- Automatic Day/Night recognition
- Simplistic Digital LED menu for easy to use quick key settings
- Intelligent dual timer function
- Suitable for use with GEL, Sealed Lead Acid & Flooded batteries
- Electronic protection
- Temperature compensation automatically regulates charging and discharging parameters for improved battery life

For more information on the Neutron Power charge controllers view online at www.yhipower.co.nz, freephone 0800 99 33 44 or email powersales@yhi.co.nz



NEUTON POWER AUTOMOTIVE BATTERY START UP PACK

10 Neutron Power Automotive Batteries Included:

- NPNS40 X2
- NPNS60 x2
- NPN50 X1
- NP55D23L X1
- NPNS70 X2
- NPDIN55 X2

Purchase the Neutron Power start up pack for \$730.00 +GST and receive a **FREE SM Power Handy 40 Charger & DHC BT001 Digital Battery Tester.**

Neutron Power Battery Stand and Neutron Power Footpath sign, supplied at no charge. Note: These remain property of YHI. Contact your YHI Representative for more details or freephone 0800 99 33 44.



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www.yhipower.co.nz



Onehunga Sports Women's Division One Football team, sponsored by Neutron Power. YHI Staff member Chelsea Roper plays for the team.

