



## Innovative Informer – 2014

### Taspac Energy joins the Innovative Energies group of Companies:

Renewable Energy is heating up! Worldwide growth sparked by heavy consumer demand has seen Solar Power emerge as the latest disruptive technology and it's now become affordable. To respond to this demand Taspac Energy has been formed as part of the Innovative Group. Taspac has partnered with world leading developers and manufacturers of renewable energy products to provide a comprehensive package of leading edge products combined with a high level of technical support to Solar Installers, Consultants and Specifiers.

Taspac has established operations at the Innovative Energies facility in Auckland and also at our sister Company – Amtex Electronics in Sydney. With an extensive product offering Taspac provides renewable energy solutions ranging from 1kW residential systems, up to utility scale Solar Power Plants of several Megawatts.

If you're interested in learning more, please contact Dwayne Cocker at Taspac Energy on 09 390 8820, 021 499 209 or email [info@taspacenergy.co.nz](mailto:info@taspacenergy.co.nz)

#### **Our partners include:**

**Jinko Solar** – one of the largest and most reputable Photovoltaic Panel manufacturers in the world. Talk to us about how our Smart Panels can provide up to 20% more efficiency than your existing PV Panels and virtually eliminate fault finding and performance issues associated with conventional PV Panels.

### Introducing our new Operations Manager, *Jason Dear*

With over 30 years of experience in the electronics field, Jason is quite familiar with the 4000+ components we use.

*“To accommodate our customers’ requirements, which sometimes are in the most remote of places, we must continue to improve our custom manufacturing capabilities.” - JD*

**Zigor Corporation** – a class leading manufacturer of smart inverters specialising in both large scale on-grid utility solutions and hybrid off-grid inverters to optimise energy production through use of multiple technologies including Solar, Wind, Generator, Batteries and the Grid. Talk to us about plug-and-play single box solutions making light work of any solar installation up to 2MW. Say goodbye to multiple string inverters, multiple cluster boxes, multiple communication interfaces, data loggers and web interfaces. A Zigor solution comes complete with everything on board – simply connect your solar array, grid/genset/batteries and configure via the built-in web server slashing hours off a conventional installation.

**Hosola Inverters** – for residential and light commercial applications, they're unbeatable in their class of 1kW - 5kW. All our Hosola inverters feature two MPPT inputs, built in Wifi with web server, iPhone & Android Applications, 97% efficiency and best of all - a 10 year manufacturer warranty backed up with an on-site installer warranty rebate.

**High Quality Batteries** – from world leading suppliers of technically advanced storage solutions, including the unique High Energy Long Life **AGM** batteries which provide 2500 cycles at 60% D.O.D for a third less cost than a **GEL** battery.

**Renewable Energy** is an obvious fit for the Innovative Group and compliments the existing product offering.





## New Products from TASPAC

### Zigor HITC Off-grid Hybrid Inverters 50kW, 100kW & 150kW

The Zigor range of HITC hybrid inverters are designed to meet power requirements in locations not covered by the grid, hybrid rural electrification and distributed generation. The main feature of HITC inverters is their ability to generate electricity from Solar or Wind or from Batteries and connect to the Grid or a Genset. Energy from any or all of the above sources is controlled by a unique on-board management system. This controller eliminates the need to integrate a plethora of controllers from different manufacturers. All HITC inverter systems are factory programmed to suit a specific application and fully soak tested prior to dispatch.

**Features include:**

- Data logging and status information via an integrated web server over Ethernet or GSM option
- Back-up battery charge controller on board
- Maximum power point tracking (MPPT) for solar panels
- Protection against overvoltage, short circuits, incorrect polarity, islanding



## Distribution Panels with Remote Communications



Single Bus Panel



Dual Bus Panels with Breakers or Fuses



## 100W DC UPS with Modbus RTU and Auxiliary Output

Our 100W DC UPS and PSU's now feature Modbus RTU for remote monitoring of the output voltage, battery and charger current, and battery temperature. DC UPS units have control features for Scheduled or Manual Battery Condition Tests. PSU status is continuously displayed, along with alarm output signals and PSU settings (read only).

Below is our convection cooled, 100W unit with onboard Modbus RTU. This product is widely used by utilities and oil and gas operations. A secondary voltage can be provided from the same unit, but the maximum total power of the unit will be 100W.



The Auxiliary Voltages can be

- 5V
- 10V
- 12V
- 15V
- 24V
- 30V
- 48V
- 96V

Power ranges from 15W to 100W depending on the auxiliary voltage output

Derating factor may apply to certain power ratings (please contact our sales office)

## Outdoor UPS Systems

Innovative Energies have been appointed as distributors for a proven range of UPS Systems designed for outdoor use, such as traffic control, cell sites, parking, security, wireless communication and industrial RTU applications. Standard power ratings range from 300W to 5000W. The higher power rated units are in floor mounted enclosures.

Pole or wall mounted enclosures, such as those pictured are rated at 700W max. and using a 13Ah battery as shown gives a run time of 5.5min. Battery expansion units may be added to extend the run time to over 2 hours.

We can also customize solutions to suit your application so please call us with your requirements.





## Brain teasers

Answer one of the following correctly and be in the draw to win \$100 straight into your bank account!

**Question 1:** You have a glass of water that looks about half full. How can you tell, only using the glass of water itself, if the glass is half full or not?

The glass is a true cylinder.

**Question 2:** Where was this photo taken?



**Hint:** We've now got some fish in our ???p??o?.

**UPS backed up..**  
of course!

Answers and Unsubscribes to:

[info@innovative.co.nz](mailto:info@innovative.co.nz)

Entries close **31st January 2015.**

Winner will be advised on **2nd February 2015.**

Innovative Energies Ltd  
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## Factory Shutdown Dates

22nd December 2014 –  
6th January 2015

Standard orders may be available during this time.

## Return Material Authorisation (RMA)



Repairs and Credit requests can now be processed online at:

[www.innovative.co.nz/service/rma](http://www.innovative.co.nz/service/rma)

Please complete the online form and email:

[darylw@innovative.co.nz](mailto:darylw@innovative.co.nz)

or print the online form and fax to Innovative Energies

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