

WATTSCURRENT

OCTOBER 2015

SOLAX HYBRID ENERGY STORAGE ARRIVES AT YHI

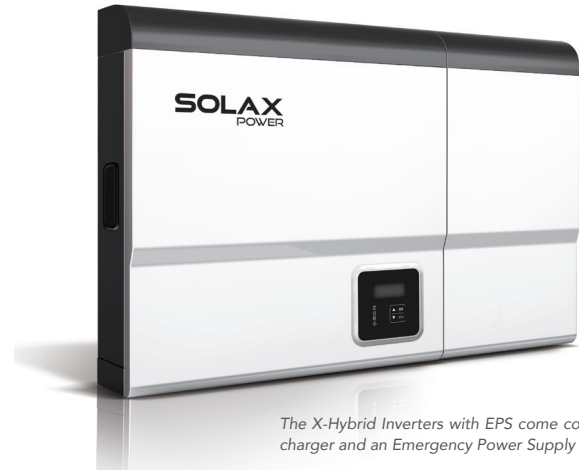
A division of the Suntellite Group, SolaX is a world leader in the development and production of PV inverters, modules and energy storage solutions that are now available at YHI.

SolaX's product range incorporates the very latest in solar innovation thanks to a continued focus on R&D and commitment to pushing the boundaries of innovation - a journey that has led to the launch of the ground-breaking X-Hybrid battery storage system.

Committed to providing consumers with an advanced, reliable and cost effective range of PV products and energy storage solutions, SolaX employs more than eighty professors and senior engineers at their state of the art production facility.

SolaX products are designed, tested and manufactured to the highest global standards, supported by sixteen international offices and exported to forty seven countries. After successfully launching their first X-Hybrid energy storage inverter in 2013, SolaX rapidly gained recognition in PV market world wide. The X-Hybrid Energy Storage Inverter was awarded third place in the New Energy & Energy-saving Environmental Protection Industry segment of the Third China Innovation & Entrepreneurship Competition in 2014.

View the full range of SolaX products online at www.yhipower.co.nz



The X-Hybrid Inverters with EPS come complete with charger and an Emergency Power Supply function



SolaX Lithium Battery Storage allows users to maximise the consumption of PV generated and has a small footprint designed for residential applications.

SolaX on display at the All Energy Conference held in Melbourne in October



SolaX Hybrid Series with EPS

SolaX recently launched a second-generation hybrid energy management system (EMS). The SolaX X-Hybrid 2 features several new features.

The addition of an Emergency Power Supply (EPS) feature means in the event of a grid outage the EPS enables the system to continue supplying electricity to important appliances like refrigerators, WiFi routers, and hot water cylinders. The X-Hybrid 2 Series promises a higher degree of energy independence than usually possible with a solar panel system alone.

The X-Hybrid 2 inverter automatically switches between three modes depending on battery charge state, availability of solar and electricity demand. These modes are:

Sleep mode: If the inverter detects no electricity use for an extended period, the EMS reverts to sleep mode, during which time it uses only standby power consumption of 7W.

Battery winter mode: This protects the battery by controlling the amount of current that passes through the system on cold winter days.

Battery wake up mode: If the battery loses power, it will automatically switch into battery wake up mode, and will draw electricity from the grid to charge the battery.

Also available from YHI are SolaX's hybrid-ready inverters, external chargers and lithium batteries.

YHI DEVELOPS NEUTON SOLAR POWER DIVERTER



Following recent reductions in solar buy-back rates from power providers there has been a rise in demand to find a better use for solar energy exported back to the grid.

The Neuton Solar Power Diverter redirects surplus solar energy produced into a hot water cylinder - from just a few watts right up to the element capacity. Consumers can enjoy real financial benefit from installing a Neuton Solar Power Diverter by increasing the self-consumption of PV produced by their system.

While products are available in the market the Neuton Solar Power Diverter has been developed as a simplified product to offer functionality at an attractive price point.

Designed and built in New Zealand, the Neuton Solar Power Diverter meets NZ Electrical Safety Standards and is available now from YHI.

NEW PRODUCT VISION LITHIUM ION BATTERIES



Vision Technology provides safe Lithium Ion Phosphate battery solutions for applications that require higher energy density, high cycle counts, space savings or low weight. Units can be rack mounted for installation into homes, offices and remote sites. The battery is designed for paralleling of multiple battery packs for increased reserve time.

Vision Lithium Iron Phosphate batteries each include a built in Battery Management System (BMS) to provide safe operation and remote monitoring.

FEATURES

- Comprehensive communication
- Parallel operation, for scalability
- Built-in automatic protection for over-charge,
- Over-discharge and over-temperature conditions
- State of charge and state of health indication
- Built-in battery control for efficient operation
- Redundant safety
- Compatible with standard telecom rectifiers
- Maintenance free
- Internal cell balancing
- Communication of monitored data via Battery
- Management System (BMS)

UPCOMING EVENTS

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UPCOMING EVENTS

SEANZ SolarSMART Conference:

November 13-14 2015. Novotel Rotorua

Downstream Conference:

2 - 3 March 2016. Skytcity Convention Centre, Auckland

VISITORS INVITED TO PLUG IN AT YHI



DELTA EV CHARGER INSTALLED AT YHI AUCKLAND

Visitors with electric vehicles are invited to take advantage of the newly installed Delta AC EV Charger on their next visit to YHI's Auckland office.

YHI (New Zealand) Ltd Is A Proud Member Of:



YHI (New Zealand) Ltd Auckland Is Proud To Achieve ECO Warranty Certification:

