



HYBRID GEN
Variable Speed Generator

Renewable Hybrid Power Pack

HYBRID GEN

Variable Speed Generator

Renewable Hybrid Power Pack

International Patent (Pending) : PCT/AU2011/001068
Power Management System and Method for Optimising Fuel Consumption

Plight of Remote Communities:

Many remote and island communities rely solely on diesel powered generators to provide electricity. Diesel generators are typically sized to meet peak demand, but, will be running at a fraction of maximum output for most of the time. This low load power generation using diesel generators results in: high electricity costs; air and noise pollution; loss in diesel fuel efficiency and increased operation and maintenance costs due to incomplete combustion of fuel during light loads.

The Regen Power Solution:

Regen Power has developed an innovative solution

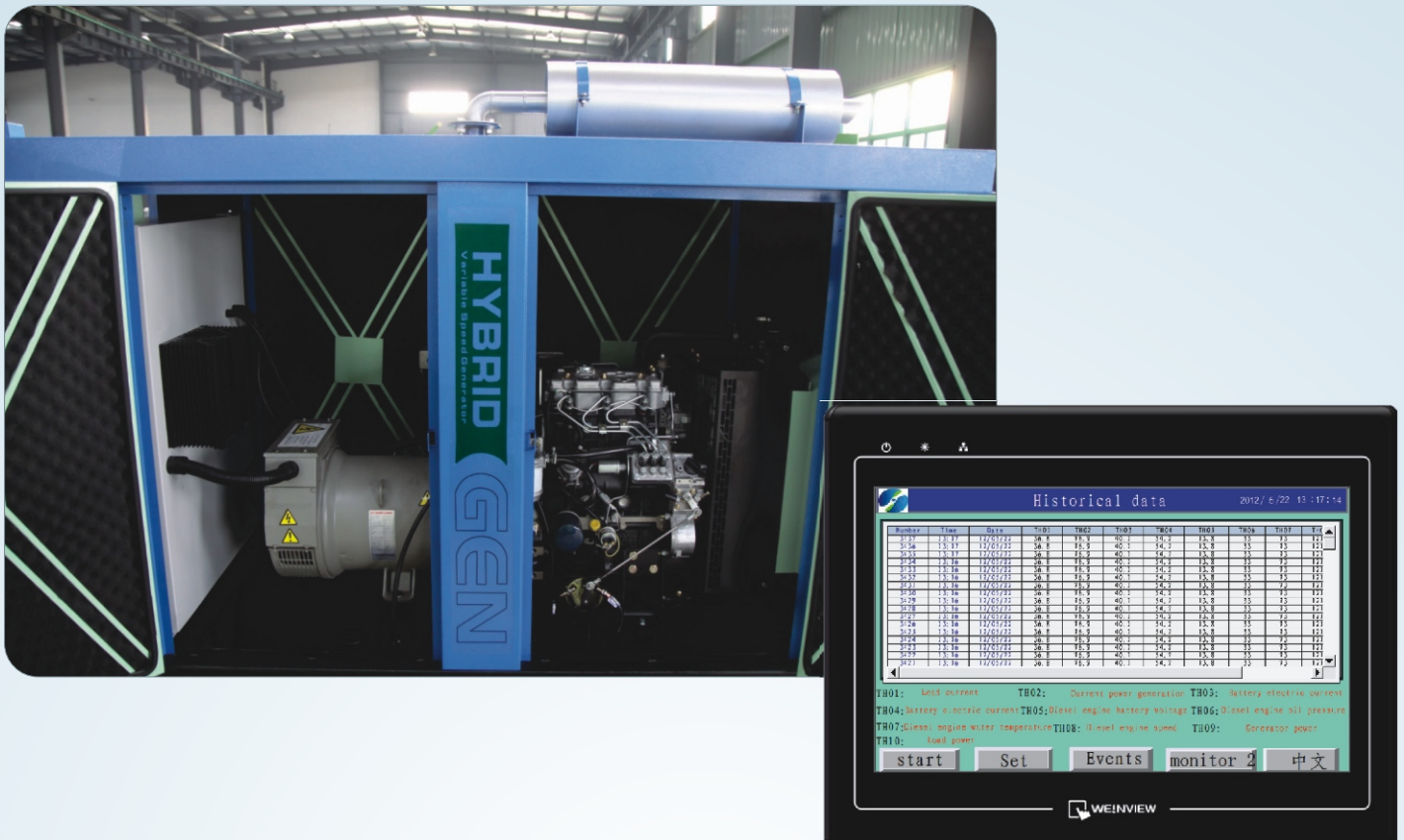
HYBRID GEN The Renewable Hybrid Power Pack, to replace conventional diesel generators by combining solar photovoltaic panels and wind generators with our innovative variable speed generator technology (patent pending) to provide a reliable power source that is both economically and environmentally sustainable. Running the engine at optimum speed, reduces diesel fuel consumption, extends engine lifetime and allows high penetration of solar power with reduced battery storage. The system comes in a fully wired container and can replace conventional diesel generator to reduce diesel fuel consumption, while increasing the use of solar and wind energy.

Regen Renewable Hybrid Power Systems are available from 10kW to 500KW using state of the art diesel engines, generators, batteries, solar modules and power inverters.

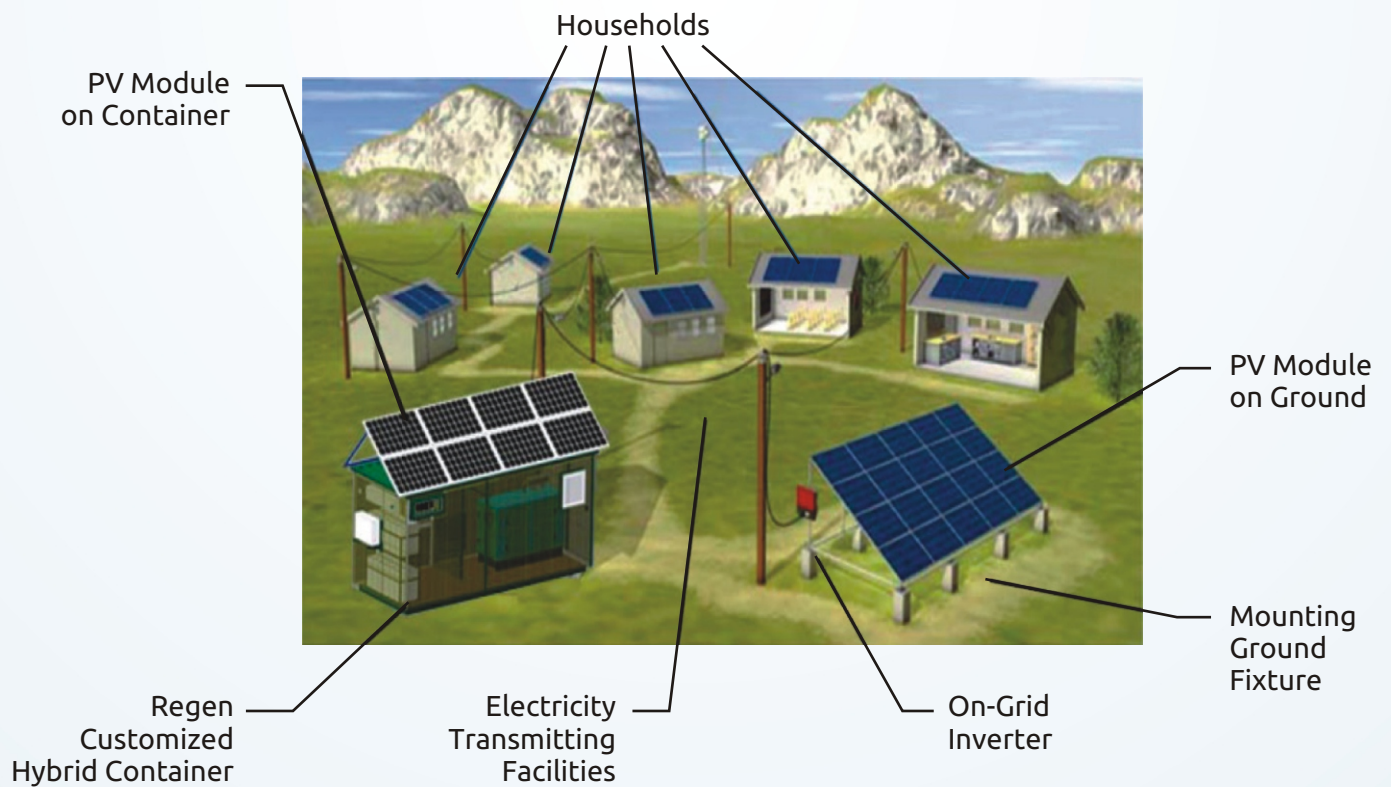


HYBRID GEN is a cost-efficient alternative to conventional diesel generating systems. Its conceptualisation and design overcomes problems that conventional diesel power systems in the market experience such: as the engine operating on low load affecting wet stacking and cylinder glazing of the engine; poor fuel efficiency; maintaining stable voltage and frequency under varying wind and solar inputs. The innovative technology developed improves the reliability, quality and efficiency of supply while also providing considerable diesel fuel savings resulting in greater efficiency and improved performance reliability.





Typical Application of a Solar Hybrid Power Pack



Installations and Applications

Hybridgen has been installed in several locations in India, Australia, Indonesia, Vietnam, Singapore and finds new applications in:

- Solar/Wind Hybrid Remote Area Power Supplies
- Remote Mobile Telecom Towers
- Solar Hybrid drinking water treatment plants
- Solar Hybrid irrigation systems
- Solar Hybrid Sewage Treatment Plants
- Solar Hybrid Cool Rooms
- Powering remote area agri-businesses such as coconut oil, palm oil, fruit pulp processing etc.



Call us now for more information

1 300 876 354

Regen Power Pty Ltd.

Western Australia

Sales & Marketing
4/90, Catalano Circuit,
Canning Vale, WA 6155.

Phone: **08 9456 3491**

Fax: **08 9456 3492**

E-mail: sales@regenpower.com

EC Licence: EC9676

Queensland

1/18 Holden Street,
Woolloongabba,
Queensland 4102.

Phone: **+61 7 3713 3444**

Fax: **+61 7 3712 0618**

Email: admin.qld@regenpower.com

EC Licence: EC74554

New South Wales

U12, 62 Newton Road,
Wetherill Park,
NSW 2164.

Phone: **1300 876 354**

Fax: **+61 8 9456 3492**

Email: admin.nsw@regenpower.com

EC Licence: EC244131C

Visit our website:

www.regenpower.com

