



# A Wealth of Energy Savings

SOLARPV+



*The* Renewable  
Energy Hub

# SOLAR PV+

THE NEW PV PLUS FROM REH means a faster return on investment for both new and existing installations.

Are you interested in getting up to 25% more Feed in Tariff from your SOLAR PV+ system?

Are you interested in getting up to 25% more generation from your SOLAR PV system?

Larger  
Single Phase  
Units & Three  
Phase Units  
made to order,  
**CALL US**

ROBUST DESIGN  
thats built to Last.

EASY to Install

Works with any  
solar PV system  
manufacturer

Simplifies Solar  
PV connection

Lockable mains  
AC isolator



## THE PROBLEM?

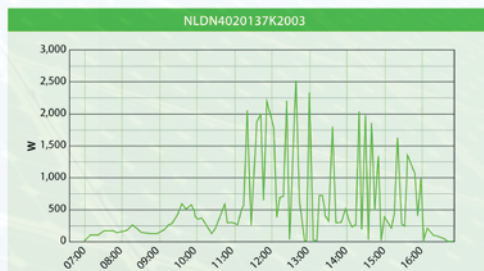
When your PV system is generating at full capacity, your inverter could be in over-voltage mode and not generating at all. This potential loss in generation could be costing you £££'s!

## THE SOLUTION?

By monitoring the incoming supply voltage, the PV+ unit allows the Solar PV inverter to compliantly stay in circuit for longer, preventing nuisance over voltage shut down. The PV+ can

reduce stress through voltage over heating and increase PV generation. This provides a much faster return of investment for existing and new systems alike.

Graph below shows Omnik 3kWp inverter.  
October 2013 clearly showing loss in generation throughout the day



## PRODUCT FEATURES

- 25 Year Life expectancy
- Simple to fit/retrofit

Graph below shows same day inverter output voltage  
consistently above 250V



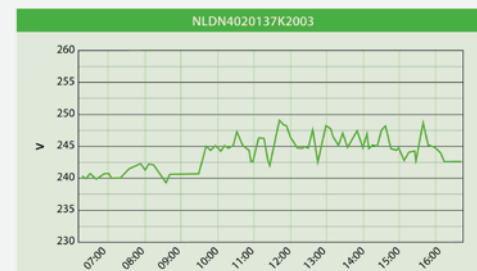
- BS7671 : 2008 amendment 3 compliant non combustible metal enclosure\*

Graph below shows the same Omnik 3kWp inverter  
after Solar PV+ technology has been installed in Jan 2014. Clearly  
showing no over-voltage shut down or loss in generation



- In-House tested software
- Lockable mains AC isolator
- Designed and built solely in the UK

Graph below shows same day inverter output voltage  
consistently below 250V



- Low cost / high carbon benefit
- Typical return on investment under 2 years

\* Due to the number of consumer unit fires reported within domestic properties regulation 421.1.201 has been added to BS7671:2008, which requires consumer units and similar switchgear to have their enclosures manufactured from non combustible material or to be enclosed in a cabinet constructed from non combustible material.

The EMR Report  
"Electricity to rise 40% by 2020"  
Read the report here  
[Download](#)



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Contact us direct on 01392 693 900

TRADE CUSTOMERS WORLDWIDE  
Please call or [info@renewableenergyhub.co.uk](mailto:info@renewableenergyhub.co.uk)

The Renewable  
Energy Hub



## INSTALLATION

### Designed for easy fitting

The PV+ unit has been design to simply replace the lockable AC isolator located next to the consumer unit. With simple wire in wire connection all housed in a compliant metal case installation could not be easier.

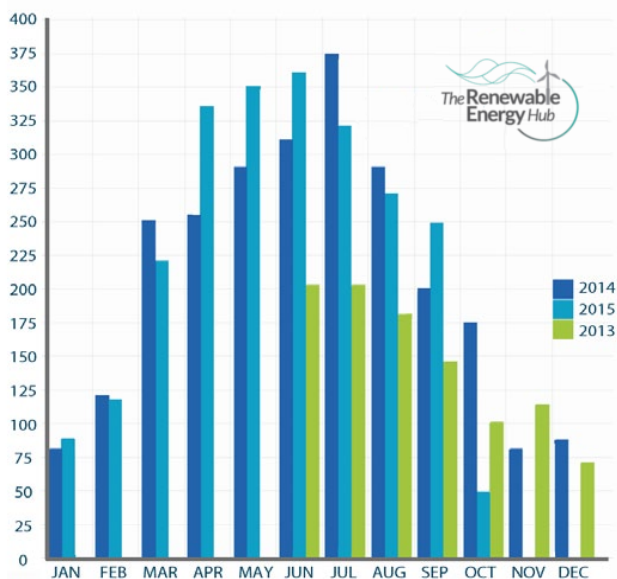
## LIFE EXPECTENCY

### Built to last

Our SOLARPV+ products are designed with meticulous care and built to last with a life expectancy of 25 years. This gives our customers complete peace of mind while ensuring the maximum return on your investment which typically may be as little as 2 years or even less.

## DID YOU KNOW?

*When your PV system is generating at full capacity, your inverter could be in over-voltage mode and not generating at all. This potential loss in generation could be costing you £££'s!*



### This graph shows month on month generation.

Note the difference in kWh generated after PV+ technology was installed.

(Solar PV Plus fitted in Jan 2014 up to 11am 8th Oct 2015. All readings prior to Oct 2013 (green) are without Solar PV Plus.)

#### KEY FEATURES

- Works with any PV system, any manufacturer
- Simple to fit or retrofit
- Just replace the inverter A.C Isolator with the SOLAR PV PLUS
- Low cost and high carbon benefit

## SPEAK TO US TODAY

Contact us direct on

**01392 693 900**

## Frequently asked Questions and Answers

### 'Is the PV Plus not just a voltage optimiser'

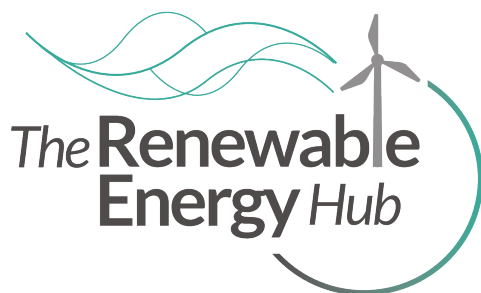
No - PV+ is a system loss compensator/grid voltage monitor. Under G83/2 legislation it is not permissible to supply an inverter with an optimised supply due to the potential to generate voltages over 253v which could be harmful to appliances and in certain instances electrically unsafe. PV+ cannot and will not work beyond 253v therefore as well as the additional generation you will enjoy, you can be sure you are not generating above the maximum allowable network voltages. which could seriously affect your revenue were the network to request you cease exporting or generating as a result of you pushing out over 253v on to the grid.

### 'I have been told my feed in tariff will be suspended if I do anything to enhance my PV output'

As a "System loss compensator" The PV+ is designed to ensure maximum generation from the PV system and to assist systems that may well be under performing. It merely puts back the lost generation to those who experience higher grid voltages frequently and it manages the power export window far more accurately and intelligently. The expected MCS figures shown to you at purchase will often not be achieved as a result and your actual return on investment may not be actualised. With a PV+ you are simply ensuring your PV system is performing at its projected/expected MCS performance level. One of our re-seller's Managing Directors was actually on the original panel that founded the MCS policies - his endorsement of the product has been clear and emphatic.

### 'I have been told by my installer it will void my warranty'

The PV plus is an isolator switch , a very clever one , but none the less a switch. It sits outside the main PV system circuit and does not interfere with the normal operation of your PV system. It affords additional protection and benefits from a standard isolator and should be fitted on every new system with over 243v frequently. If you had a new kitchen installed and the cooker isolation switch broke and an electrician put a new one on would you lose your warranty ? Of course not. All we are doing here is ensuring the Solar PV works within its limits as designed and does not go over voltage. We are happy to speak with your supplier/ installer and to assist in confirming the position on this if they are being obstructive with you however most installers accept we are generally improving the system and supplying/fitting a required item.



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