

## Omnik – Let Mankind Share and Enjoy Blue Sky and White Clouds Professional inverter manufacturer

World Professional Solar Inverter Manufacturer  
High efficiency/ High reliability/ High stability

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### **Basis WiFi-configuratie**

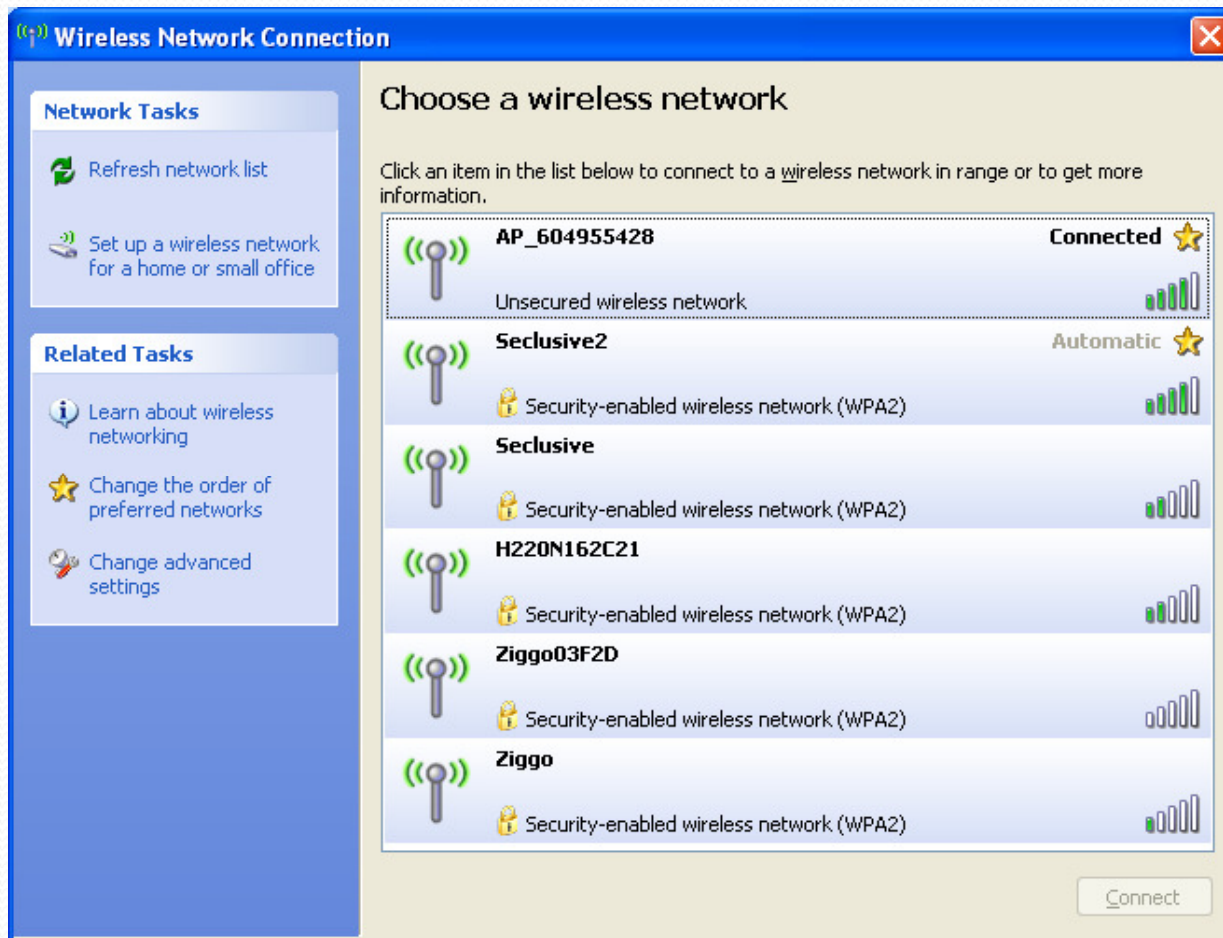
Hans de Valk, Omnik Benelux

Dit document bevat de instructies voor de basisconfiguratie van de WiFi-verbinding met een WiFi-kaart en de monitoring-configuratie op de Omnik Portal.

Neemt u bij onduidelijkheden of vragen contact op met Omnik Benelux via

- e-mail: [service@omnik-solar.com](mailto:service@omnik-solar.com)
- Telefoon: +31 30 265 7845

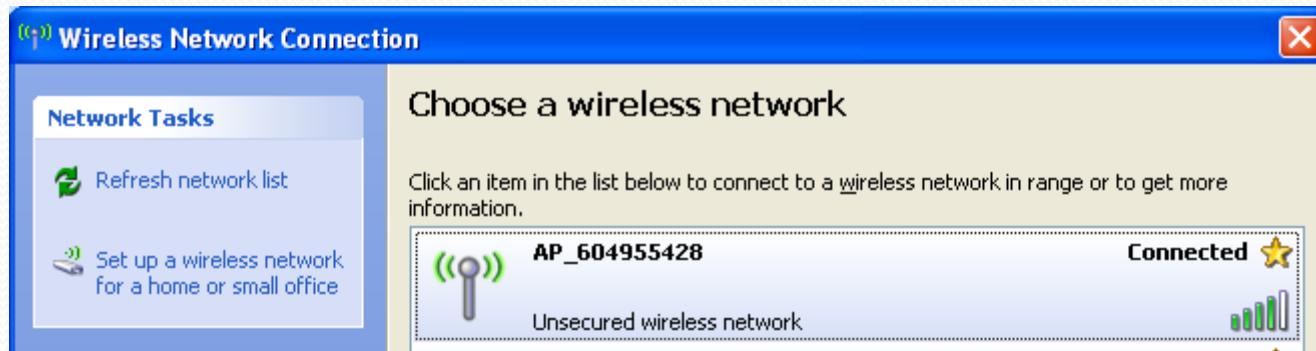
## Configuratie van de verbinding tussen omvormer en router



Schakel de omvormer aan en maak via laptop of tablet verbinding met het 'AP-netwerk' dat uitgezonden wordt door de WiFi-kaart.

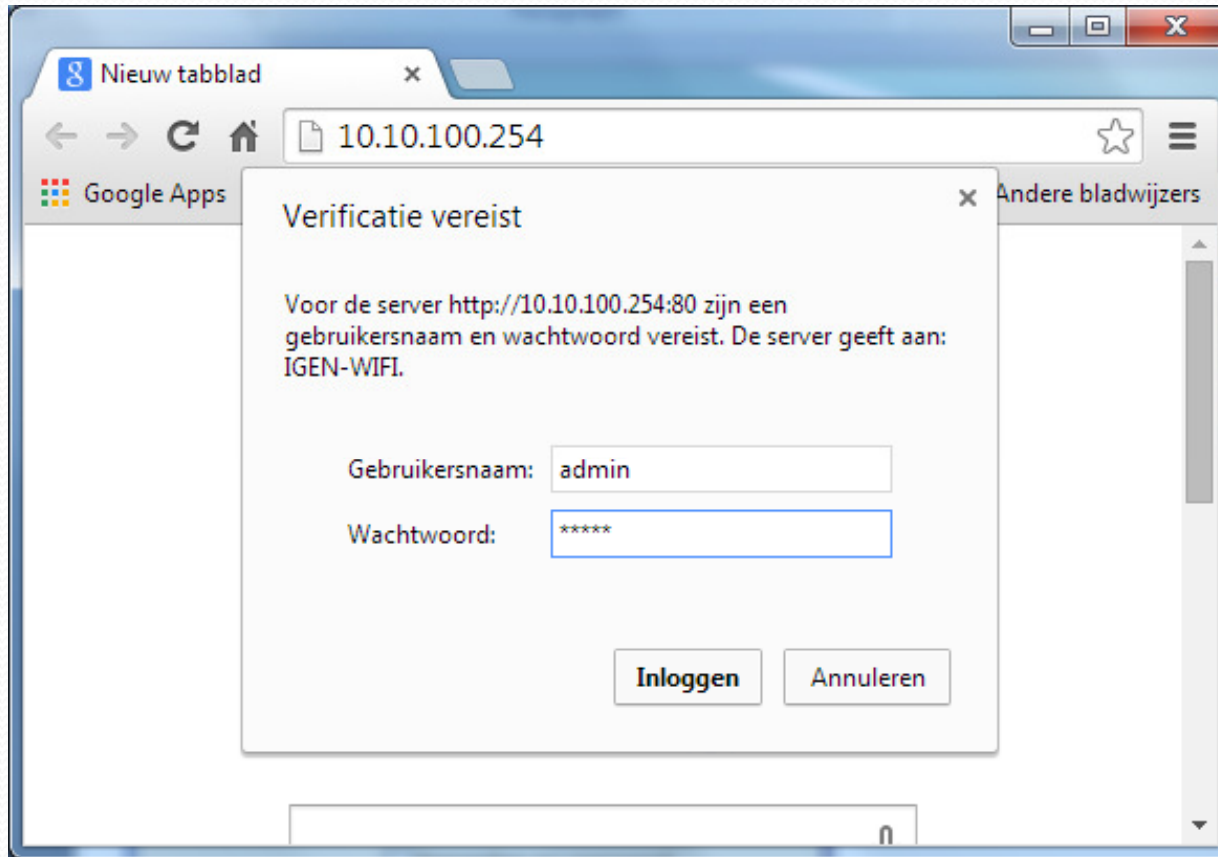
Het nummer in de netwerknnaam is het serienummer van de WiFi-kaart.

Wees zeker dat de computer 'connected' is! Zie afbeelding hiernaast.



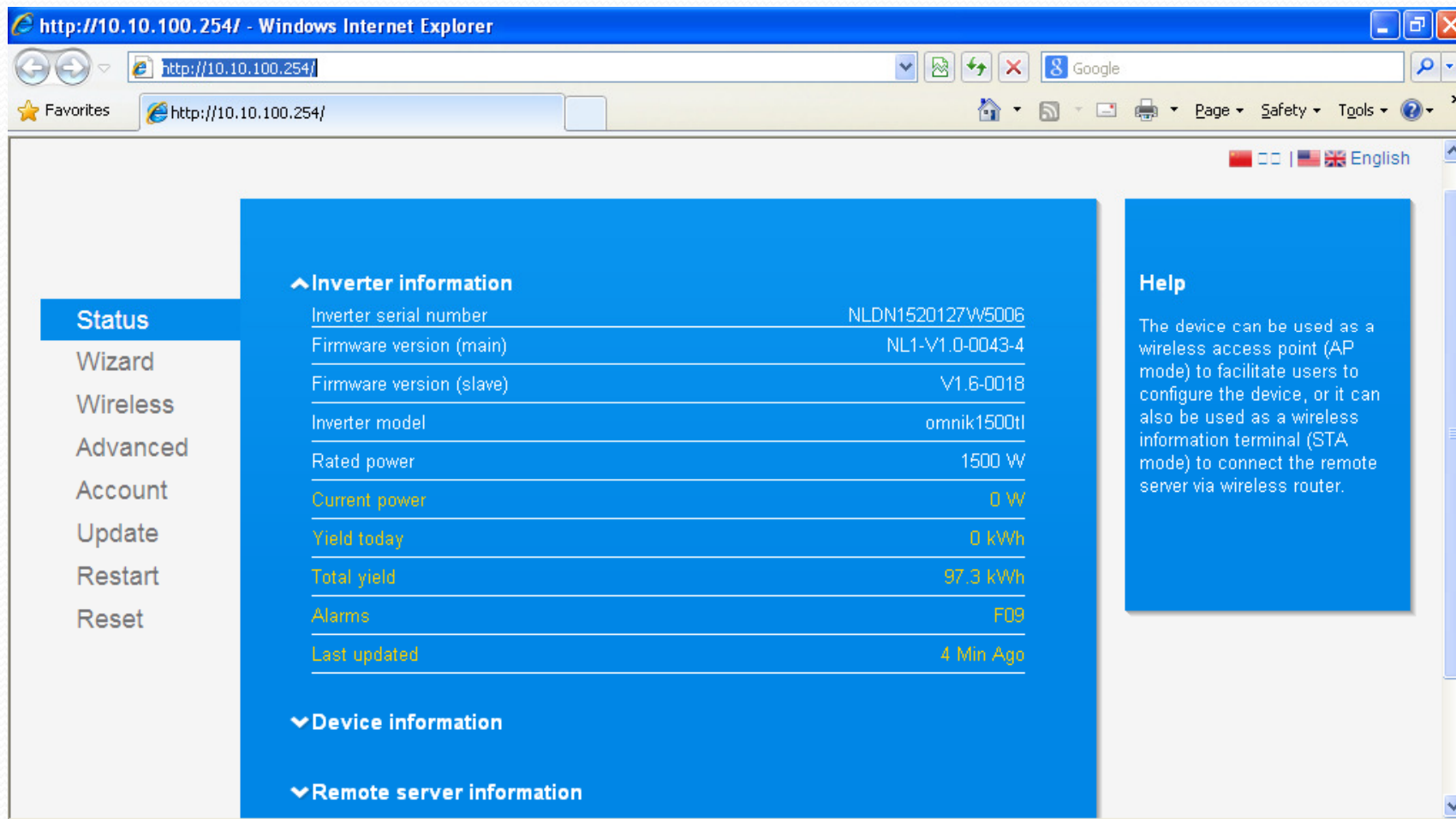
De computer is nu ALLEEN verbonden met het WiFi-netwerk van de omvormer ('AP-netwerk') en dus NIET met de router of het internet!

De computer kan dus alleen verbinding maken met de WiFi-kaart om deze in te stellen voor de verbinding met de router (en via de router met de Omnik Portal).



- Start de browser (bijv. Internet Explorer , Firefox of Chrome)
- Ga naar adres 10.10.100.254
- Log in op WiFi kaart met  
User name = admin  
Password = admin

Het onderstaande startscherm van de WiFi-kaart verschijnt.



The screenshot shows a Windows Internet Explorer browser window displaying the Omnik WiFi configuration interface. The address bar shows the URL `http://10.10.100.254/`. The page has a blue header and a left-hand navigation menu with the following items: Status (selected), Wizard, Wireless, Advanced, Account, Update, Restart, and Reset. The main content area is divided into sections: Inverter information, Device information, and Remote server information. The Inverter information section is expanded and contains the following data:

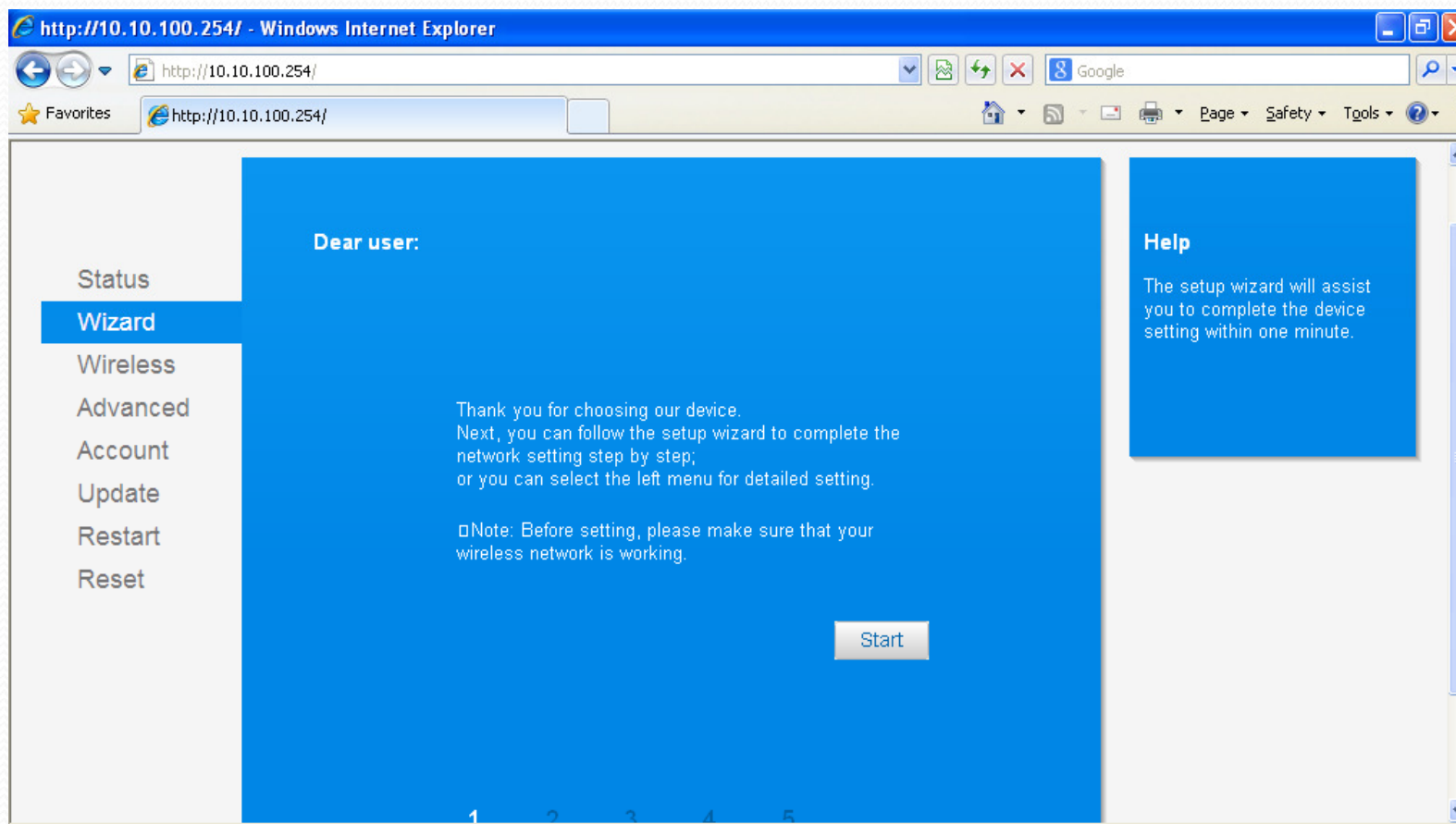
Inverter serial number	NLDN152D127W5006
Firmware version (main)	NL1-V1.0-0043-4
Firmware version (slave)	V1.6-0018
Inverter model	omnik1500tl
Rated power	1500 W
Current power	0 W
Yield today	0 kWh
Total yield	97.3 kWh
Alarms	F09
Last updated	4 Min Ago

Below the Inverter information section, there are two collapsed sections: Device information and Remote server information. On the right side of the page, there is a Help section with the following text:

**Help**

The device can be used as a wireless access point (AP mode) to facilitate users to configure the device, or it can also be used as a wireless information terminal (STA mode) to connect the remote server via wireless router.

Klik op 'Wizard', en daarna op 'Start'.





Status

**Wizard**

Wireless

Advanced

Account

Update

Restart

Reset

**Please select your current wireless network:**

Site Survey

SSID	BSSID	RSSI	Channel
<input type="radio"/> Ziggo03F2D	1c:3e:84:83:57:42	5%	1
<input type="radio"/> Ziggo	1e:3e:84:83:57:43	10%	1
<input checked="" type="radio"/> Seclusive2	00:22:75:22:58:60	81%	10
<input type="radio"/> H220N162C21	4c:ac:0a:16:2c:21	5%	11

Note: When RSSI of the selected WiFi network is lower than 15%, the connection may be unstable, please select other available network or shorten the distance between the device and router.

Refresh

**Add wireless network manually:**

Network name (SSID)  
(Note: case sensitive)

Encryption method

Encryption algorithm

Back Next

**Help**

This step will help to connect the device to your desired WLAN. If you do not find your wireless router on the left list, please refresh several times or add it manually.

Please check your wireless router for the right encryption method and encryption algorithm.

If your wireless router does not broadcast SSID, please set the desired wireless network in Wireless interface.

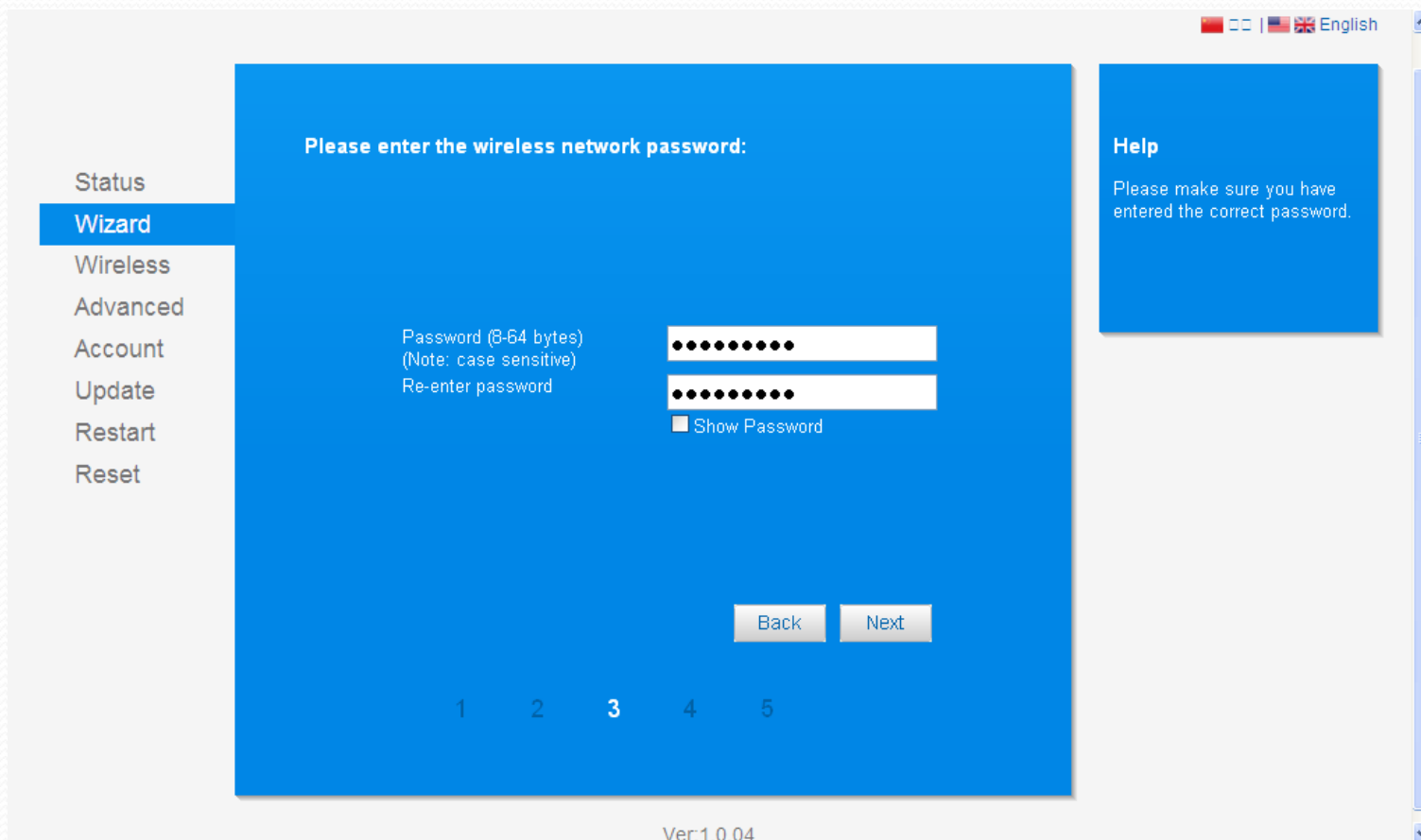
Nu verschijnt een lijst met draadloze netwerken. Selecteer het gewenste netwerk. De signaalsterkte (onder 'RSSI') moet minimaal 15% zijn, anders zal de verbinding niet stabiel zijn. Staat het netwerk niet in de lijst dan is het signaal te zwak! Druk op 'Next'

De 'Encryption Algorithm' moet soms aangepast worden. Verschijnt er een foutmelding bij het verbinden, verander dan 'TKIP' in 'AES' of andersom.

Vul op het volgende scherm tweemaal het wachtwoord van het draadloze netwerk in.

Vink evt. 'Show Password' aan om het wachtwoord zichtbaar te maken.

Klik op 'Next'



Please enter the wireless network password:

Password (8-64 bytes)  
(Note: case sensitive)

Re-enter password

Show Password

Back Next

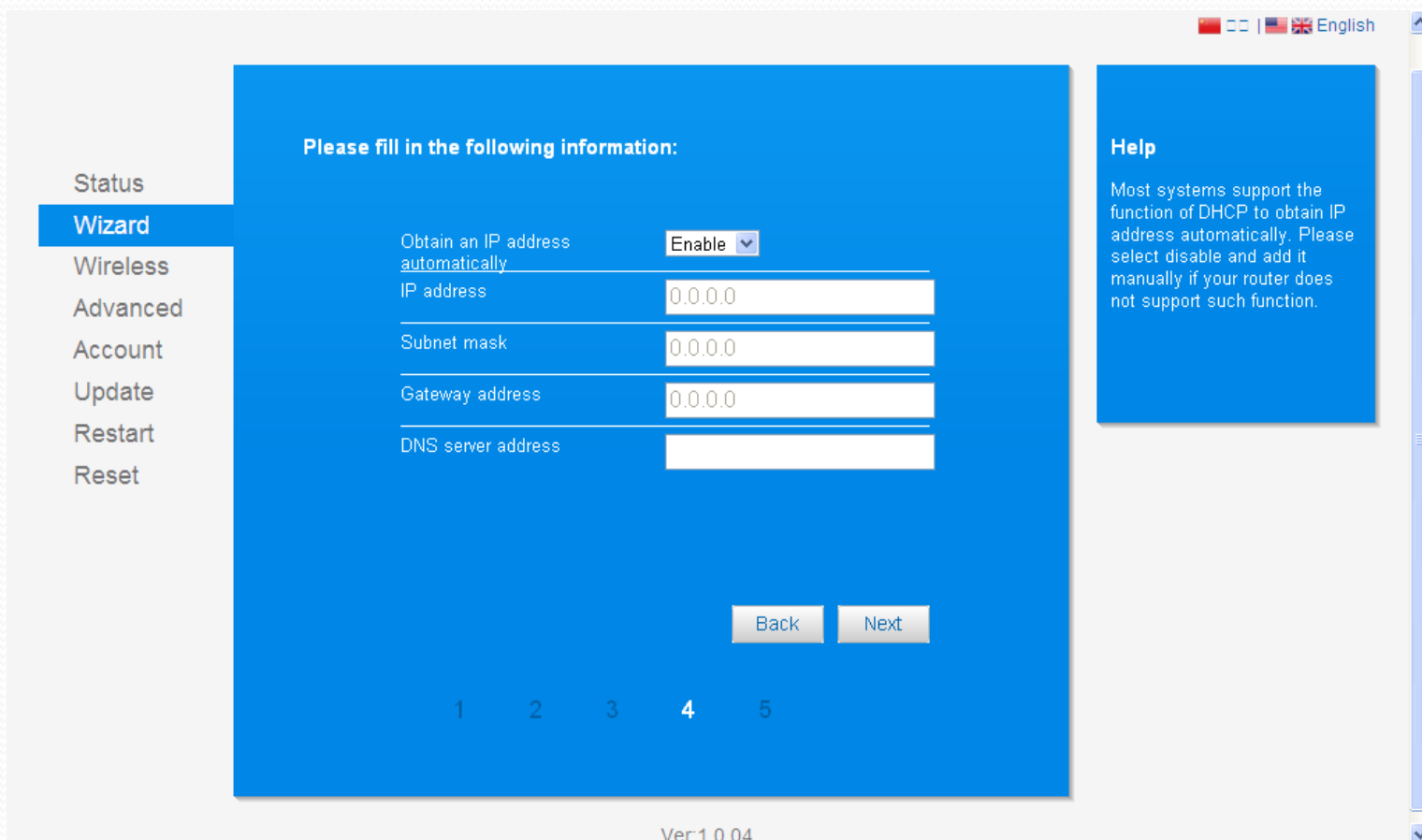
1 2 3 4 5

Ver:1.0.04

Help  
Please make sure you have entered the correct password.

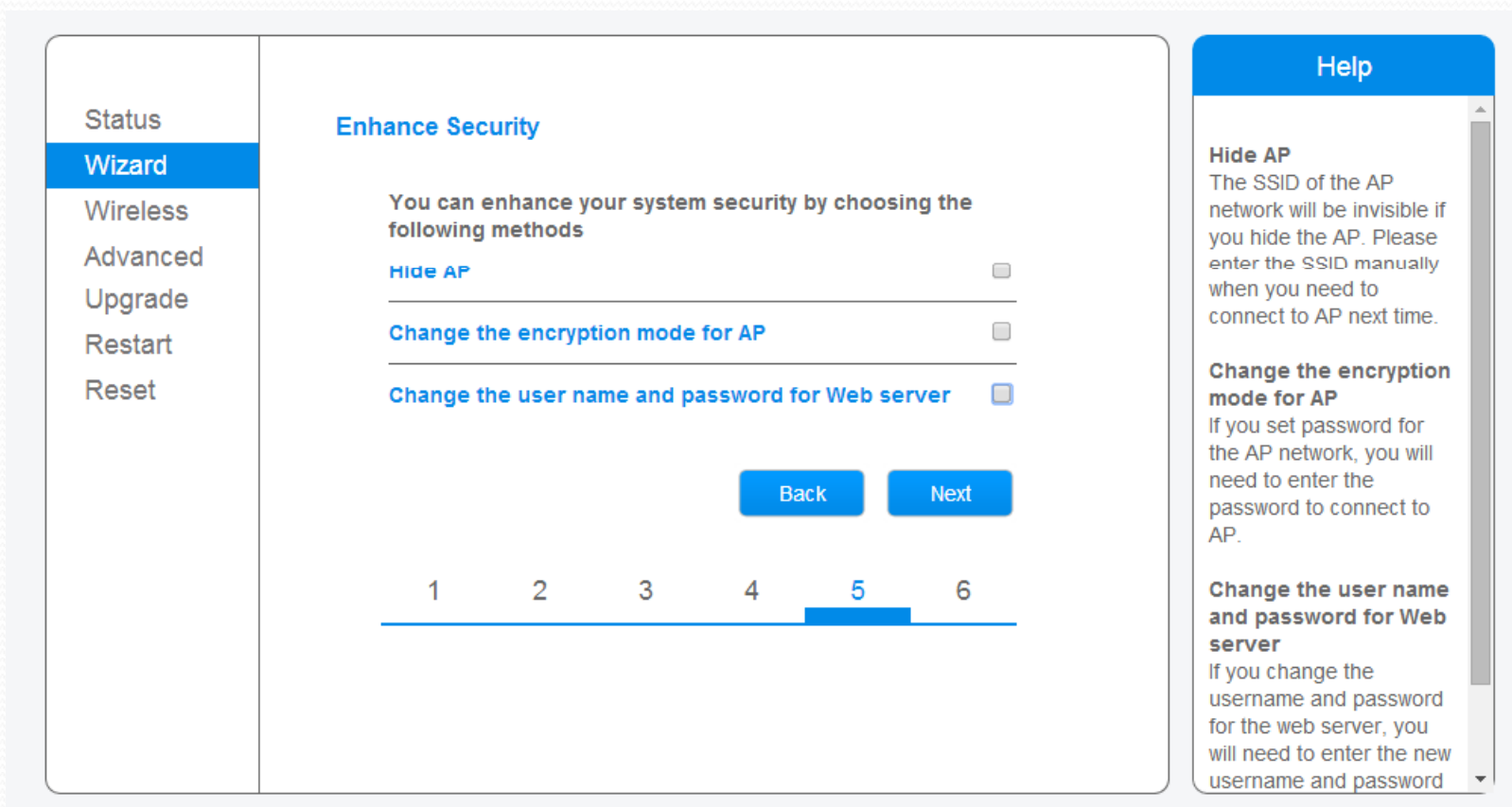
De verbinding wordt nu getest , en als deze in orde is verschijnt het volgende scherm.

Klik op 'Next'



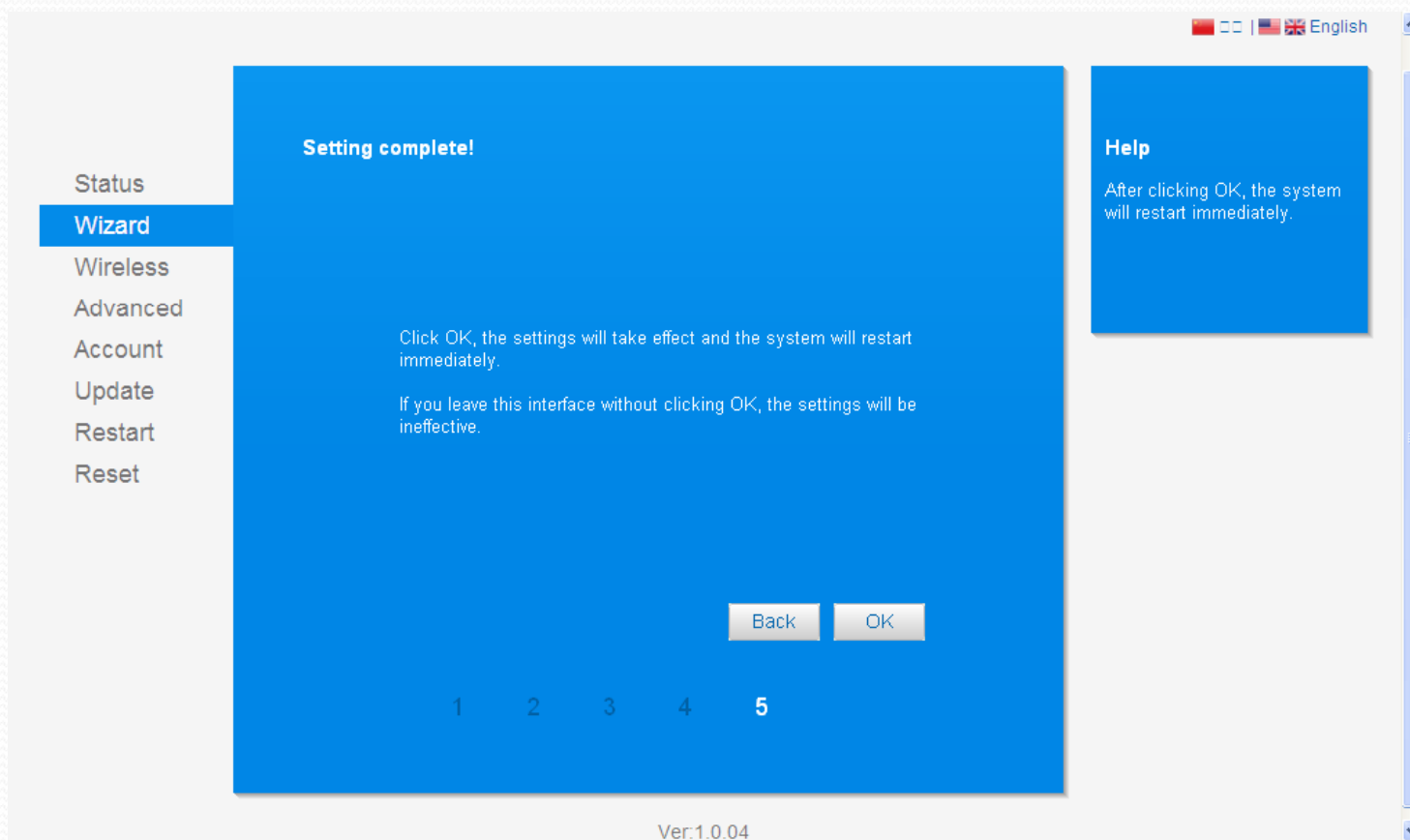
The screenshot shows a web-based configuration wizard for network settings. On the left is a vertical navigation menu with options: Status, Wizard (highlighted), Wireless, Advanced, Account, Update, Restart, and Reset. The main content area has a blue background and is titled "Please fill in the following information:". It contains a form with the following fields: "Obtain an IP address automatically" with a dropdown menu set to "Enable"; "IP address" with a text input field containing "0.0.0.0"; "Subnet mask" with a text input field containing "0.0.0.0"; "Gateway address" with a text input field containing "0.0.0.0"; and "DNS server address" with an empty text input field. Below the form are "Back" and "Next" buttons. At the bottom of the main area are five numbered steps (1-5), with step 4 being the current step. On the right side, there is a "Help" section with text: "Most systems support the function of DHCP to obtain IP address automatically. Please select disable and add it manually if your router does not support such function." The top right corner of the interface shows window controls and the text "English". At the bottom center, the version number "Ver:1.0.04" is displayed.

Bij WiFi-kaartjes met een serienummer beginnend met '160.....' of hoger verschijnt onderstaand scherm: Klik op Next



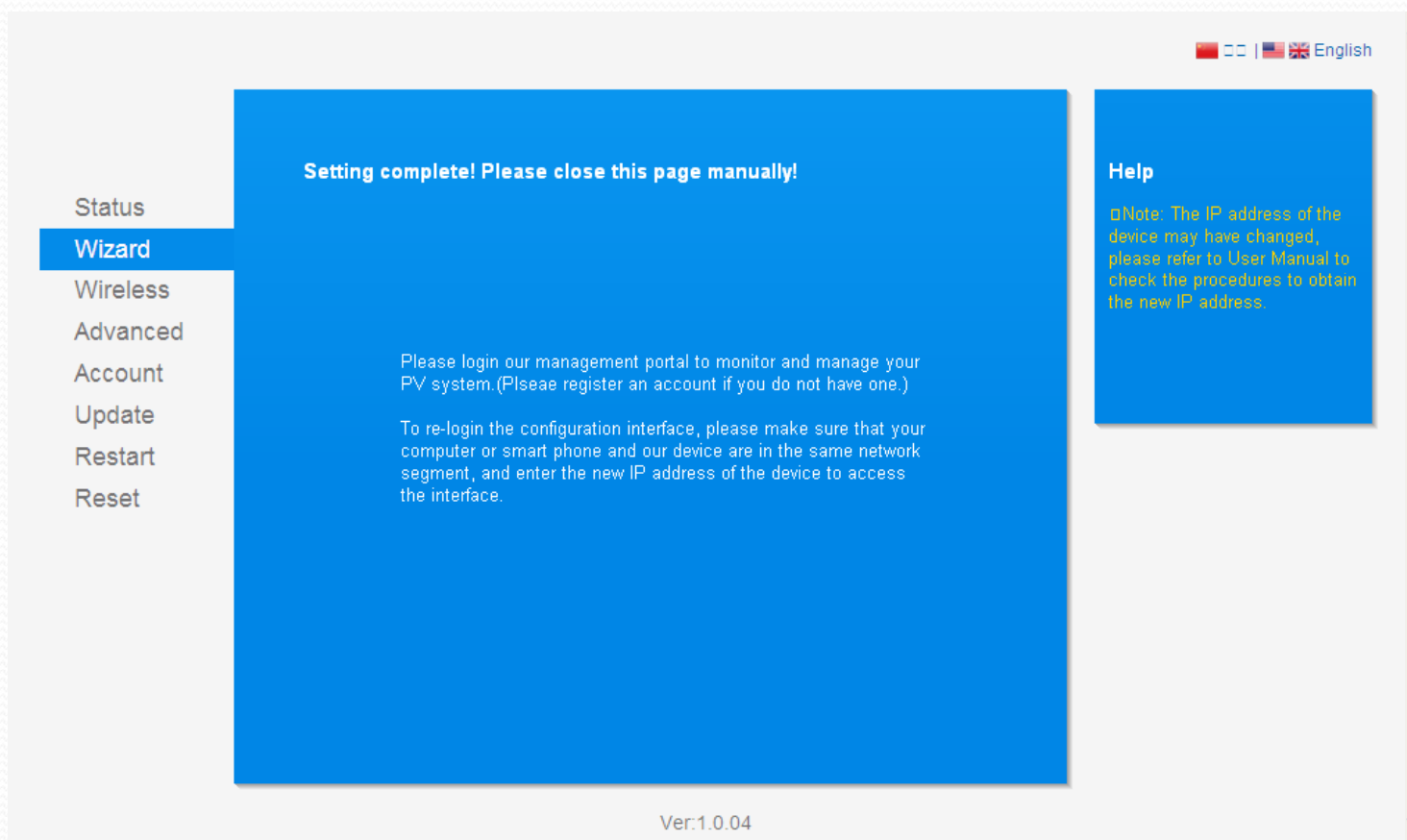
The screenshot shows a web interface for configuring a system. On the left is a navigation menu with options: Status, Wizard (highlighted), Wireless, Advanced, Upgrade, Restart, and Reset. The main content area is titled 'Enhance Security' and contains the text: 'You can enhance your system security by choosing the following methods'. Below this are three options, each with a checkbox: 'Hide AP', 'Change the encryption mode for AP', and 'Change the user name and password for Web server'. At the bottom of the main area are 'Back' and 'Next' buttons, and a progress indicator with steps 1 through 6, where step 5 is highlighted. On the right is a 'Help' sidebar with three sections: 'Hide AP', 'Change the encryption mode for AP', and 'Change the user name and password for Web server', each providing detailed instructions.

De configuratie is nu voltooid. Klik op 'OK'



The screenshot shows a web-based configuration interface. On the left is a vertical menu with options: Status, Wizard (highlighted), Wireless, Advanced, Account, Update, Restart, and Reset. The main content area has a blue background with the text "Setting complete!". Below this, it says: "Click OK, the settings will take effect and the system will restart immediately." and "If you leave this interface without clicking OK, the settings will be ineffective." At the bottom of this area are two buttons: "Back" and "OK". Below the buttons is a progress indicator with five numbered steps (1-5), where step 5 is highlighted. On the right side, there is a "Help" box with the text: "After clicking OK, the system will restart immediately." In the top right corner, there are language selection icons and the text "English". At the bottom center of the interface, it says "Ver:1.0.04".

Nu verschijnt onderstaand scherm dat aangeeft dat nu de configuratie op de Omnium Portal uitgevoerd dient te worden.



The screenshot shows a web interface with a light gray background. On the left is a vertical navigation menu with the following items: Status, Wizard (highlighted in blue), Wireless, Advanced, Account, Update, Restart, and Reset. The main content area is a large blue rectangle with the following text: **Setting complete! Please close this page manually!** Below this, it says: "Please login our management portal to monitor and manage your PV system. (Please register an account if you do not have one.)" and "To re-login the configuration interface, please make sure that your computer or smart phone and our device are in the same network segment, and enter the new IP address of the device to access the interface." At the bottom of the main area, it says "Ver:1.0.04". On the right side, there is a "Help" section with a note: "Note: The IP address of the device may have changed, please refer to User Manual to check the procedures to obtain the new IP address." In the top right corner, there are flags for language selection, with "English" selected. A vertical scrollbar is visible on the far right.

Op de omvormer verschijnt het IP –adres; dit betekent dat de omvormer is verbonden met router.



TL-type omvormer

TL2-type omvormer



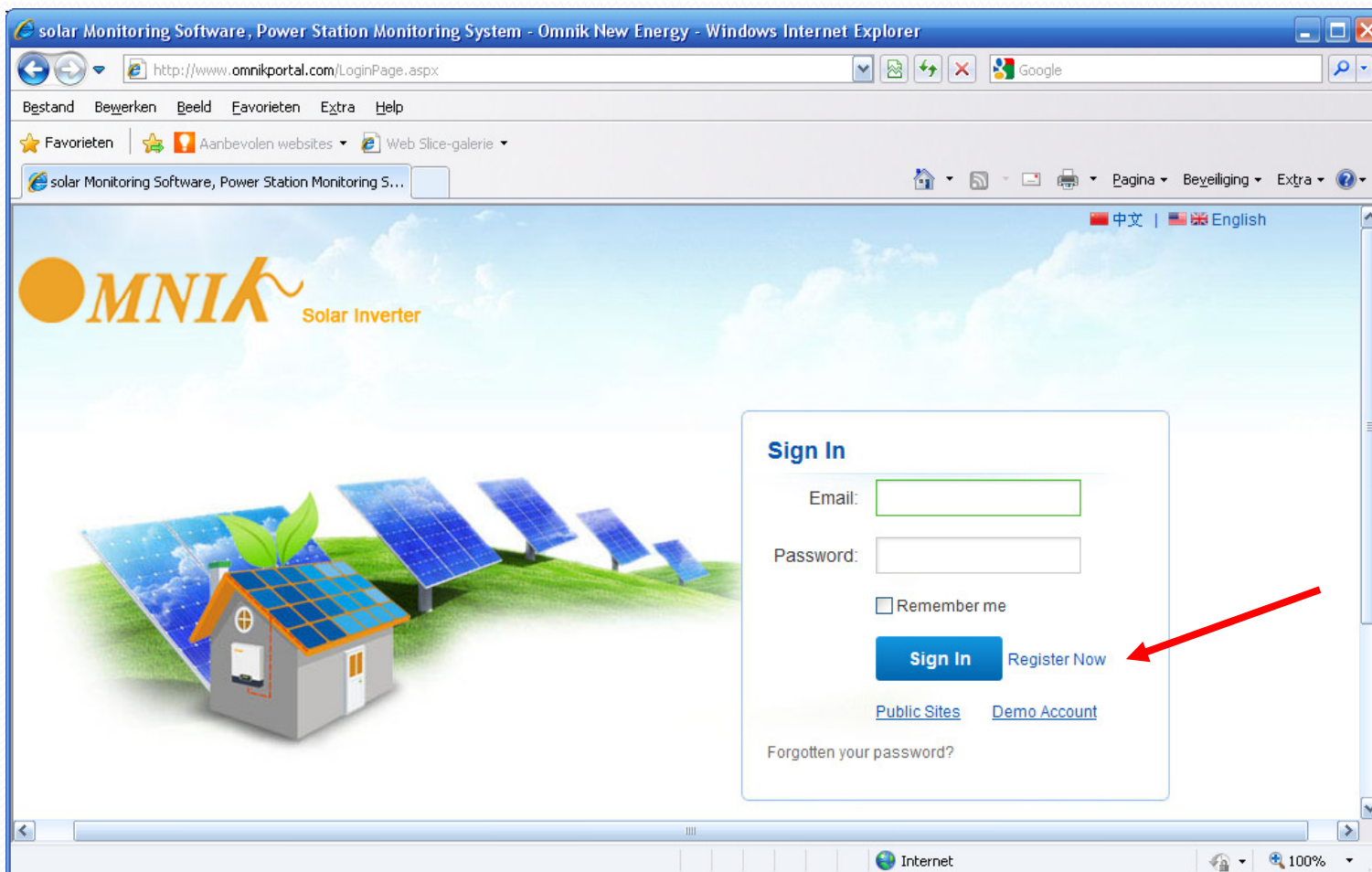
Configuratie op de Omnik Portal

[www.omnikportal.com](http://www.omnikportal.com)

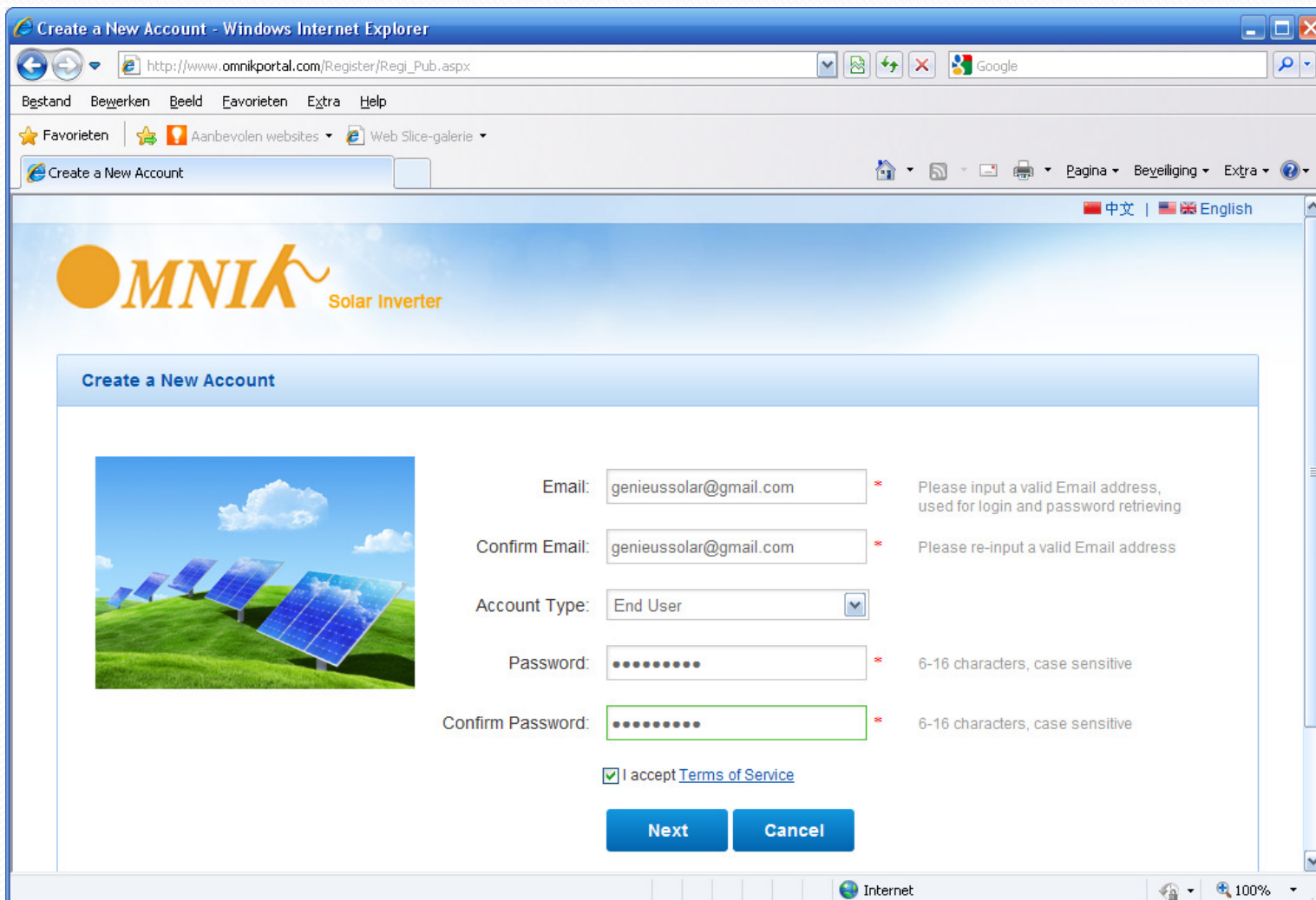


Op de Omnik Portal heeft elk systeem een naam: de 'Site Name' . Verder zijn login-gegevens nodig. Bedenk een passende Site Name en bepaal e-mail adres en wachtwoord om straks in te kunnen loggen op de Omnik Portal. **Noteer deze gegevens!**

Start de browser en ga naar [www.omnikportal.com](http://www.omnikportal.com) . Het onderstaande scherm verschijnt.  
Klik op 'Register Now'.



Vul e-mail adres en wachtwoord tweemaal in en klik op 'Next'



Create a New Account - Windows Internet Explorer

http://www.omnikportal.com/Register/Regi\_Pub.aspx

Bestand Bewerken Beeld Favorieten Extra Help


Favorieten Aanbevolen websites Web Slice-galerie

Create a New Account

中文 | English

**MNIK** Solar Inverter

Create a New Account



Email:  \* Please input a valid Email address, used for login and password retrieving

Confirm Email:  \* Please re-input a valid Email address

Account Type:  ▾

Password:  \* 6-16 characters, case sensitive

Confirm Password:  \* 6-16 characters, case sensitive

I accept [Terms of Service](#)


Internet 100%

Vul de Site Name, adres en andere gegevens in (vervolg zie volgende pagina)

### Create a New Account

Site Name  \*Maximum 20 Letters

Upload Image



Country  \*

Province/State  \*

City  \*

Street  [Locate Your Site On Map](#)

ZIP Code

Tijdzone

Timezone (GMT +01:00) Amsterdam, Berli  Enable the DST?

Number Format 1 234 567,89

Temperature Unit °C

System Size(kWp) 2,4 \*

Feed-in Tariff(FIT) 0,20 EUR € \*

Panel Type 3S

Inverter Type Omnik

Description Demo systeem van Genieus Solar

Make This Site Public

Automatische zomertijd

Komma als decimaalteken

Temperatuur in Celsius

Systeemgrootte In kiloWatt met komma

Electriciteitsprijs in € met komma

Type zonnepanelen (niet verplicht)

Omschrijving van het systeem

### Registration

Datalogger S/N  \* 

Installer

### Contact

Name

Phone

**Complete**

**Cancel**

### **BELANGRIJK:**

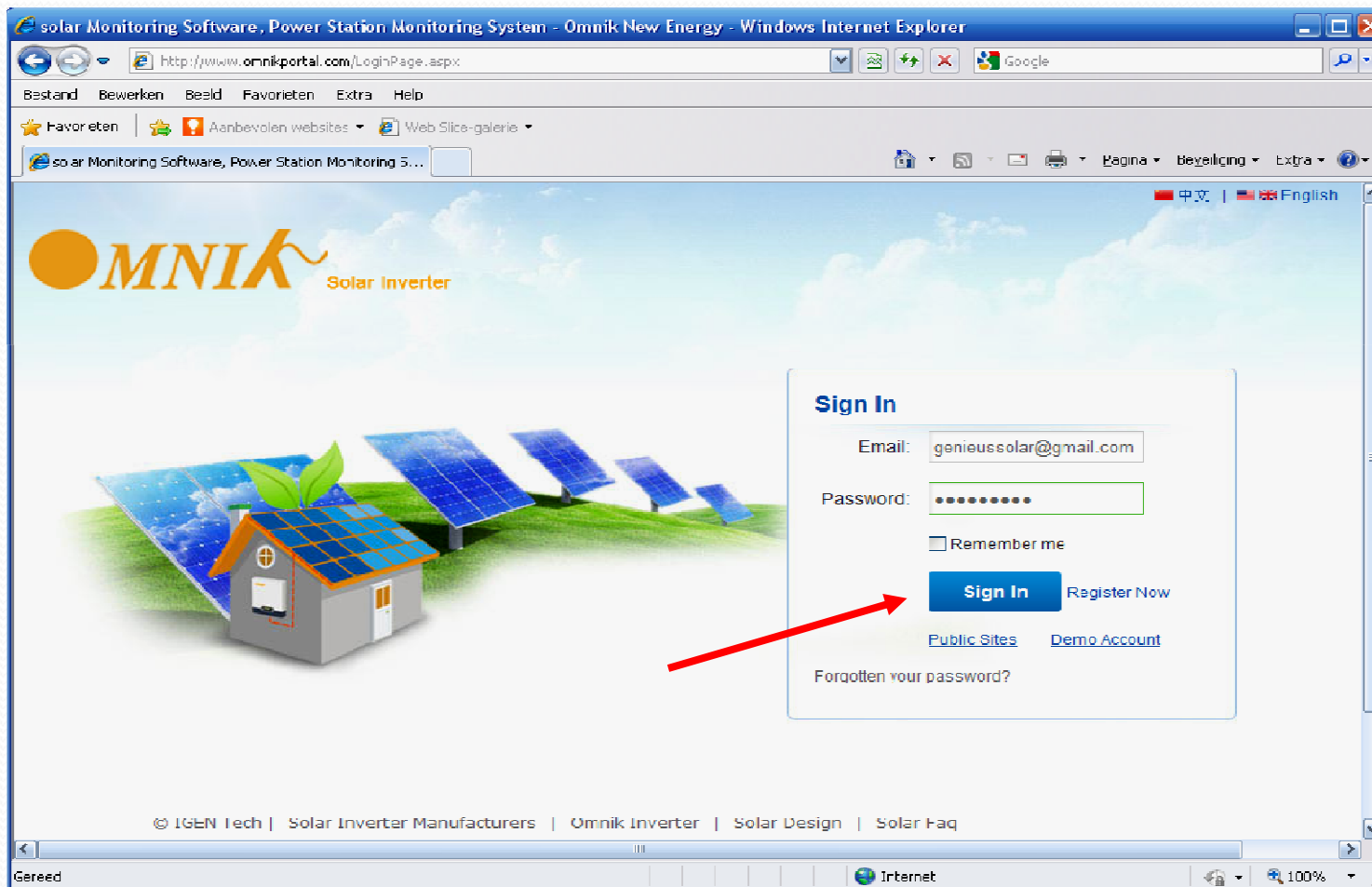
Vul hier het serienummer van de WiFi-kaart in, dit zijn de getallen van het 'AP-netwerk'.

Klik op 'Complete'

Wacht op de deze melding. Registratie succesvol.

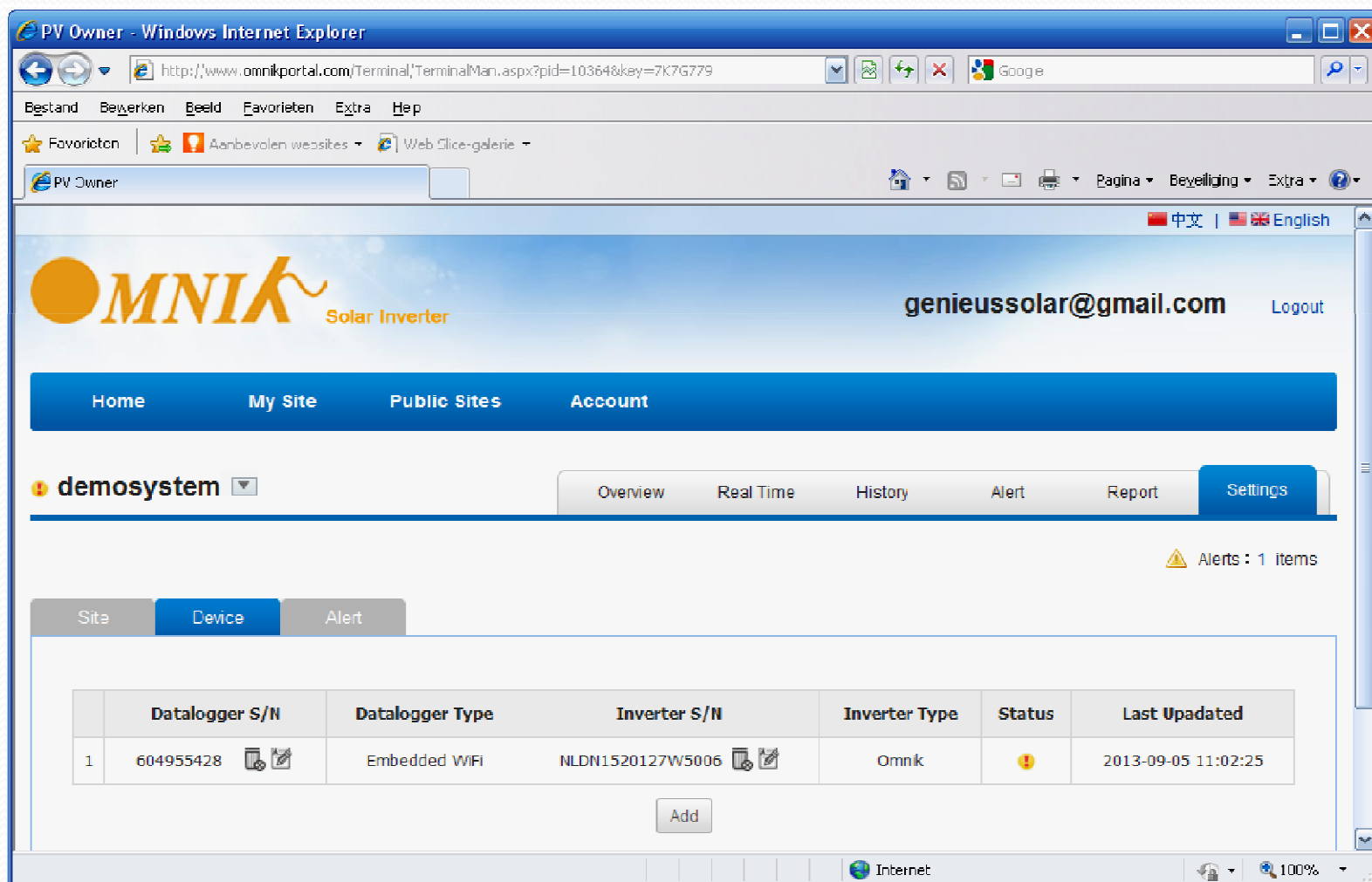


Hierna kan ingelogd worden met het gekozen e-mail adres en wachtwoord.





Onder 'Settings' -> 'Device' is de omvormer zichtbaar, deze zal elke 5 minuten de opbrengstgegevens naar de Omnium Portal versturen.



PV Owner - Windows Internet Explorer  
 http://www.omniumportal.com/terminal/terminalman.aspx?pid=10364&key=7K7G779

Bestand Bewerken Beeld Favorieten Extra Help

Favorieten Aanbevolen websites Web Slice-galerie

PV Owner

中文 | English

**MNIK** Solar Inverter **genieussolar@gmail.com** Logout

Home My Site Public Sites Account

demosystem Overview Real Time History Alert Report **Settings**

Alerts: 1 items

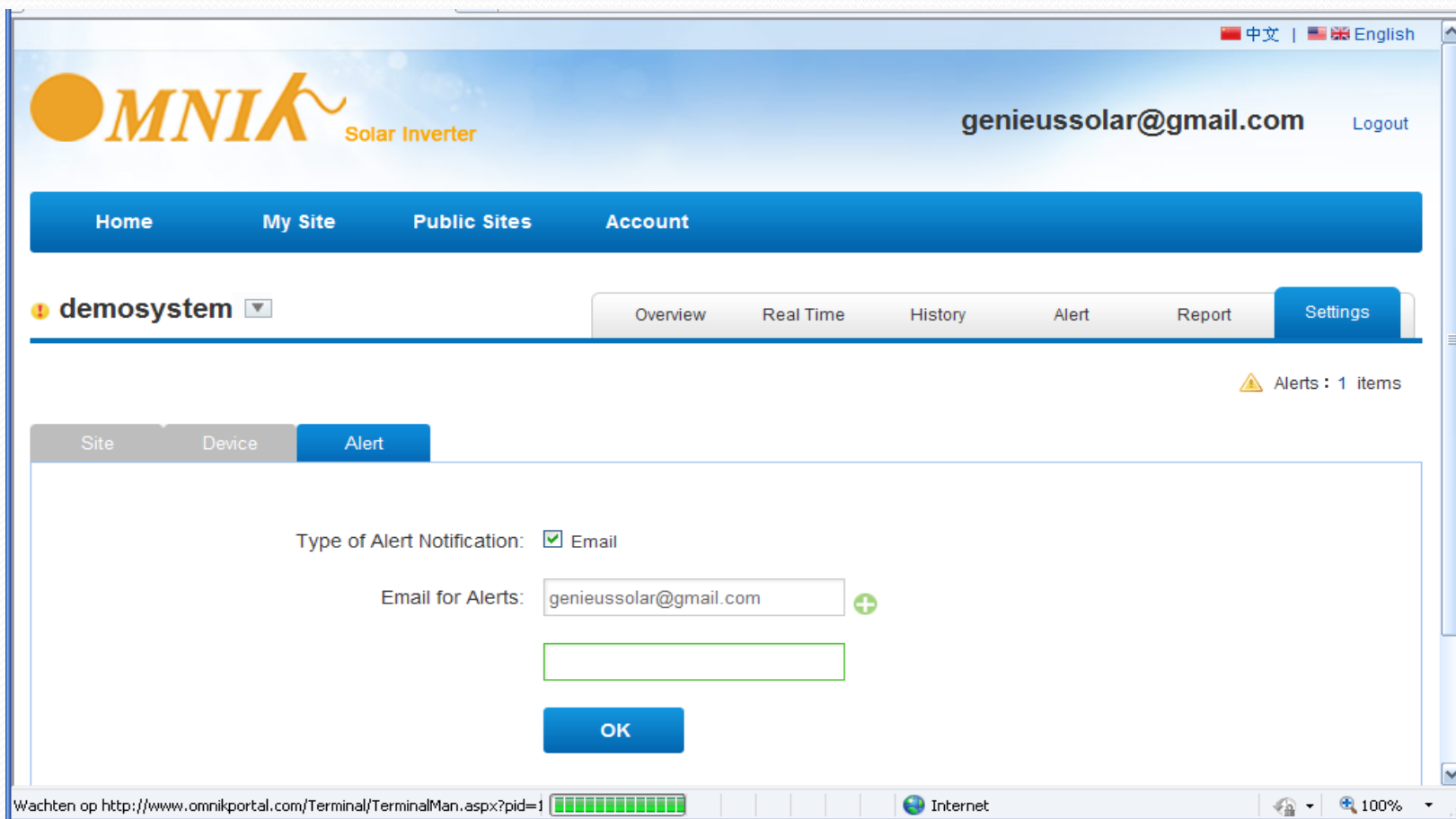
Site **Device** Alert

	Datalogger S/N	Datalogger Type	Inverter S/N	Inverter Type	Status	Last Updated
1	604955428	Embedded WiFi	NLDN1520127W5006	Omnium	!	2013-09-05 11:02:25

Add

Internet 100%

Onder 'Settings' -> 'Alert' kunnen e-mail adressen ingesteld worden voor het ontvangen van Alerts.



The screenshot shows the MNIK web portal interface. At the top, there is a navigation bar with 'Home', 'My Site', 'Public Sites', and 'Account'. Below this is a secondary navigation bar with 'Overview', 'Real Time', 'History', 'Alert', 'Report', and 'Settings'. The 'Settings' tab is active. Under 'Settings', there is a sub-tab 'Alert'. The main content area shows the configuration for alert notifications. It includes a checkbox for 'Email' which is checked. Below this, there is a text input field for 'Email for Alerts' containing 'genieussolar@gmail.com'. There is also an empty text input field below it. An 'OK' button is located at the bottom of the configuration area. The browser's address bar shows the URL 'http://www.omnikportal.com/terminal/terminalman.aspx?pid=1'. The system tray at the bottom indicates 'Internet' and '100%' zoom.

## **Checklist bij het niet functioneren van de WiFi-verbinding** (geen data op de Omnik Portal)

- Is het serienummer van de WiFi-kaart op het display van de omvormer te zien?
- Is het IP-adres op het display van de omvormer te zien of staat er '0.0.0.0' (= geen verbinding)?
- Is het signaal van de router sterk genoeg (zie pagina over Wizard / RSSI)?
- Is op de Omnik Portal het juiste serienummer van de WiFi-kaart ingevuld?