

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

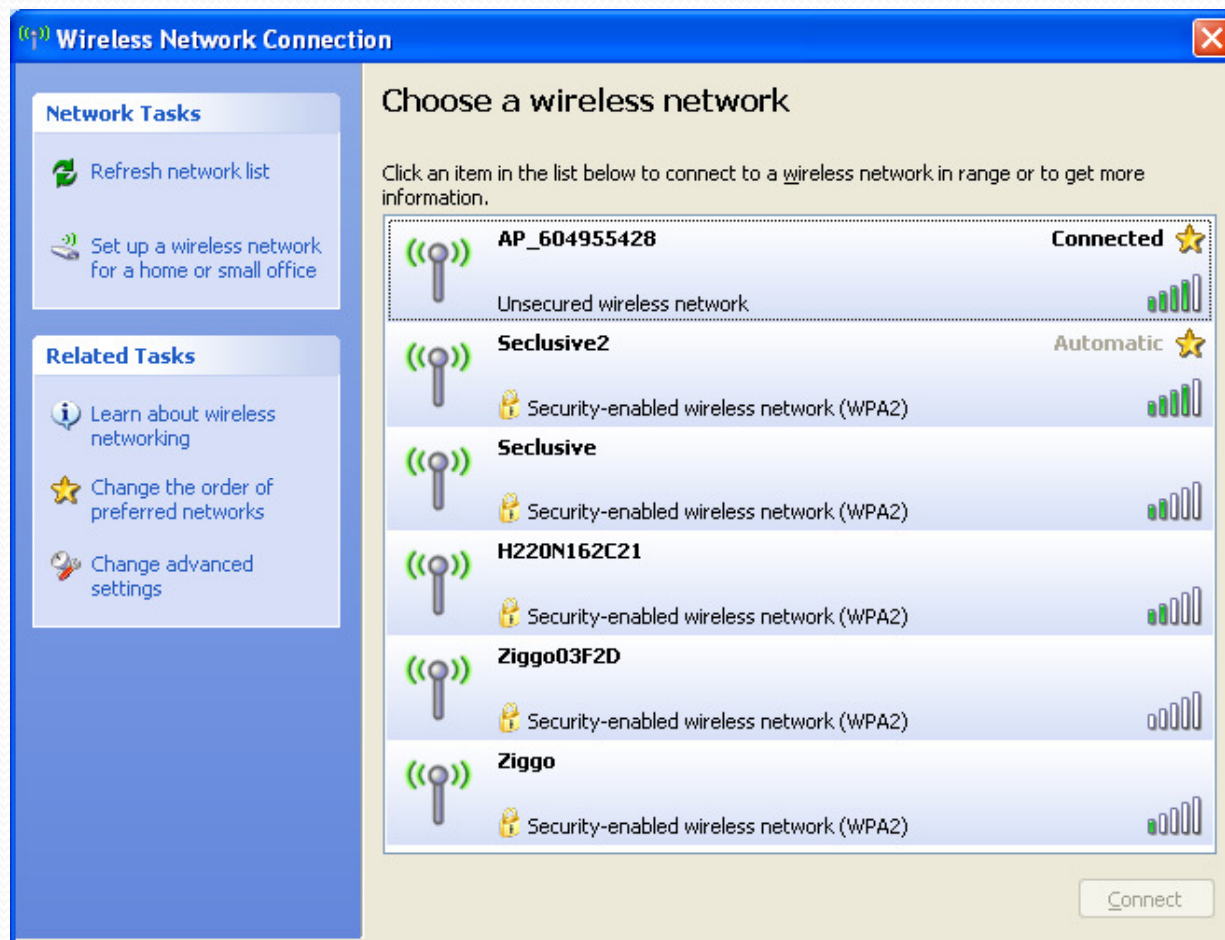
Hans de Valk, Omnik Benelux

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
- Telefoon: +31 30 265 7845

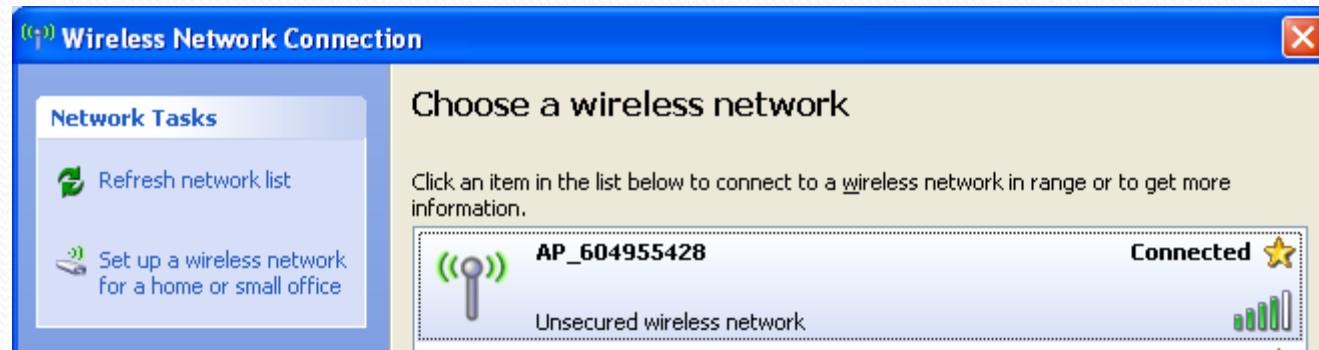
Configuratie van de verbinding tussen omvormer en router



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

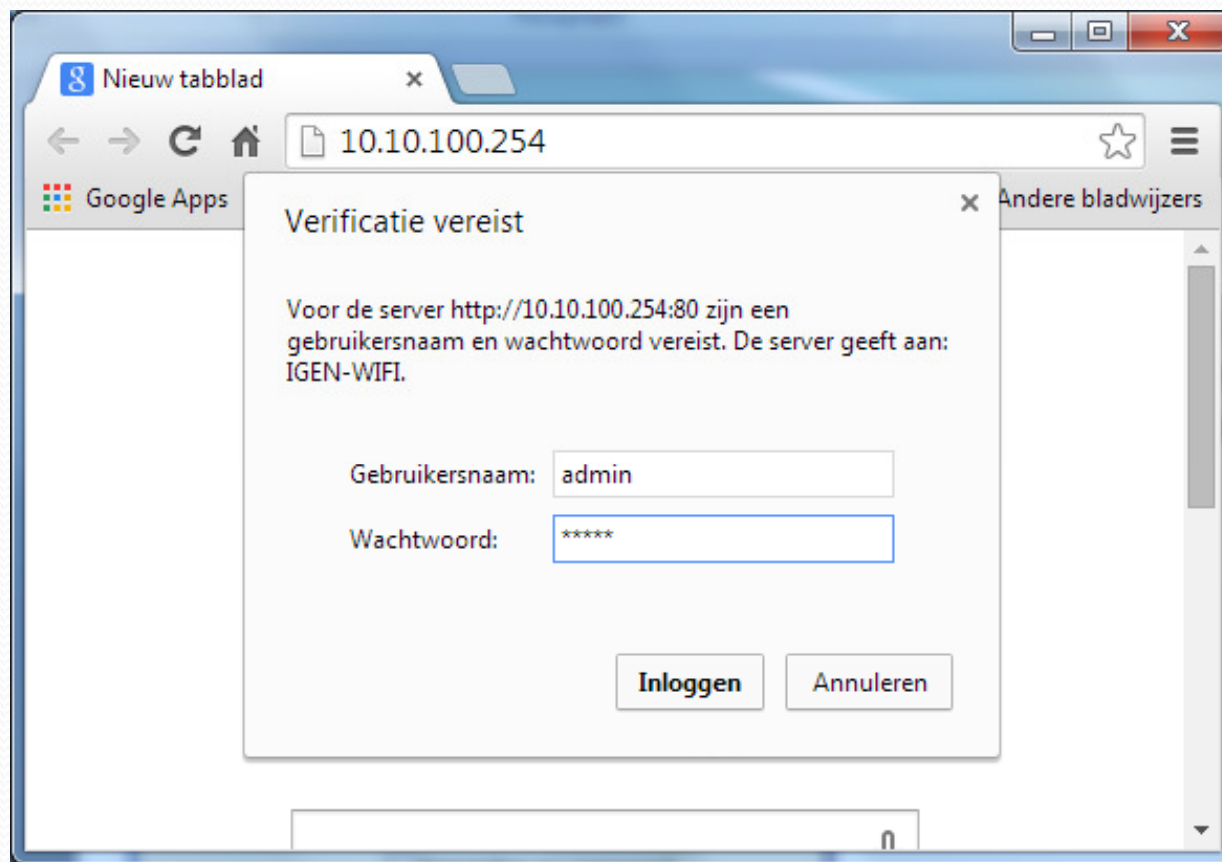
Het nummer in de netwerkn naam is het serienummer van de WiFi-kaart.

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



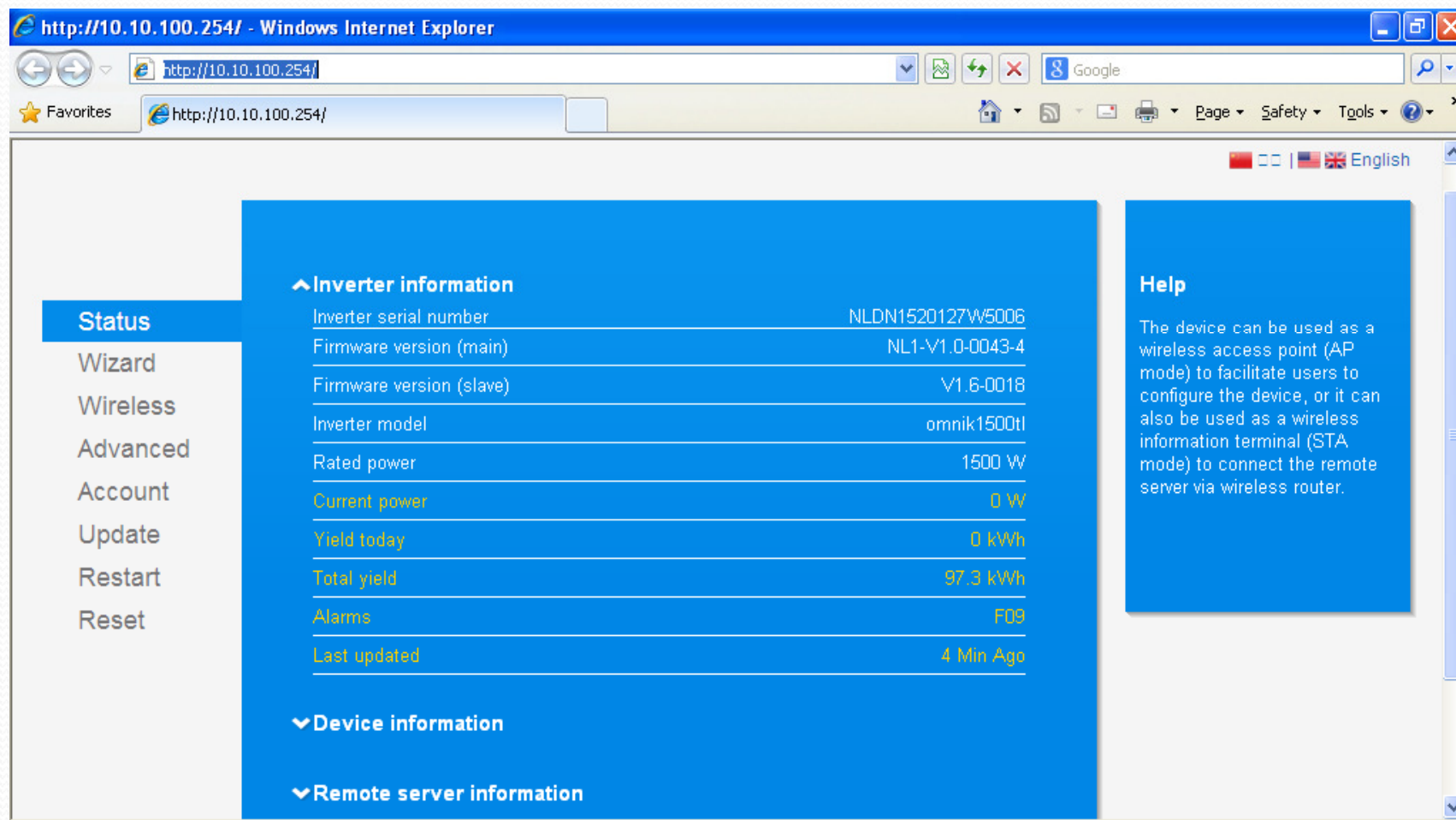
De computer is nu ALLEEN verbonden met het WiFi-netwerk van de omvormer ('AP-netwerk') en dus NIET met de router of het internet!

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.



http://10.10.100.254/ - Windows Internet Explorer

http://10.10.100.254/

English

Status

- Wizard
- Wireless
- Advanced
- Account
- Update
- Restart
- Reset

^ Inverter information

Inverter serial number	NLDN1520127W5006
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

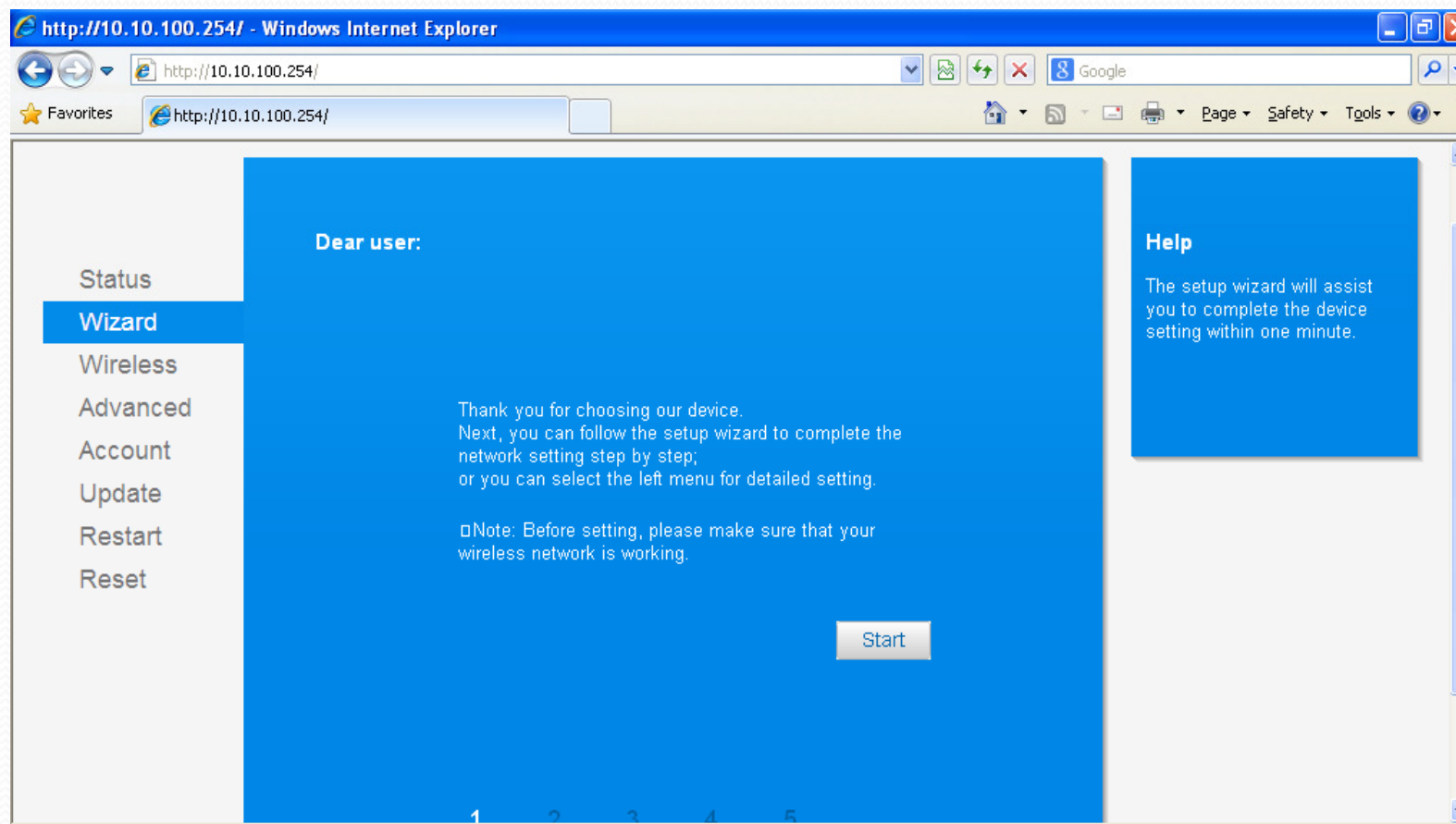
▼ Device information

▼ Remote server information

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
● Ziggo03F2D	1c:3e:84:83:57:42	5%	1
● Ziggo	1e:3e:84:83:57:43	10%	1
● Seclusive2	00:22:75:22:58:60	81%	10
● 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)
Seclusive2

Encryption method
WPA2PSK

Encryption algorithm
TKIP

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.

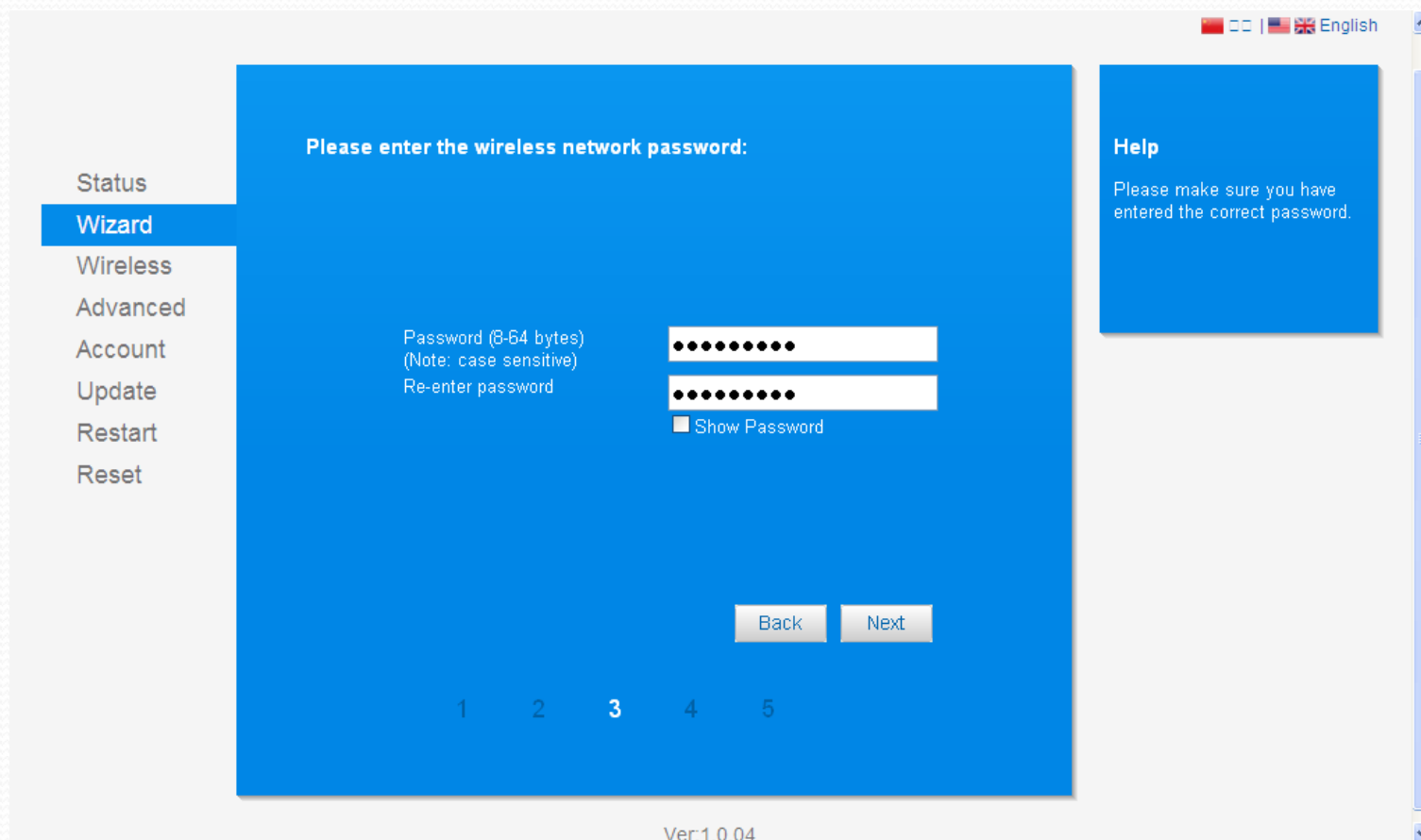
Nu verschijnt een lijst met draadloze netwerken. Selecteer het gewenste netwerk. De signaalsterkte (onder 'RSSI') moet minimaal 15% zijn, anders zal de verbinding niet stabiel zijn. Staat het netwerk niet in de lijst dan is het signaal te zwak! Druk op 'Next'

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.

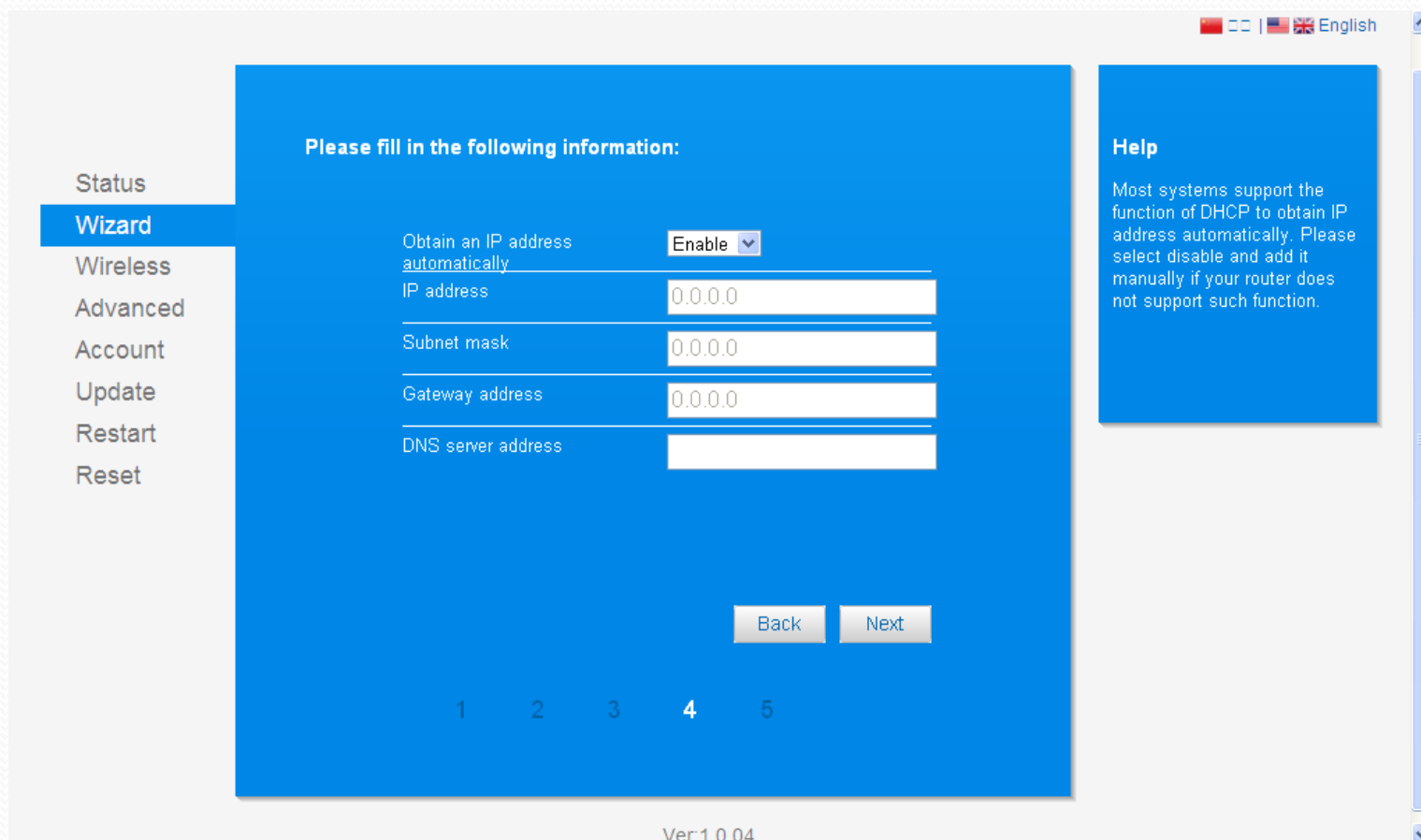
Klik op 'Next'



Ver:1.0.04

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 interface for Omnik New Energy. On the left is a sidebar menu with options: Status, Wizard (highlighted), Wireless, Advanced, Account, Update, Restart, and Reset. The main content area has a blue header with the text "Please fill in the following information:". Below this, there are five configuration fields: "Obtain an IP address automatically" with a dropdown menu set to "Enable", "IP address" with a text box containing "0.0.0.0", "Subnet mask" with a text box containing "0.0.0.0", "Gateway address" with a text box containing "0.0.0.0", and "DNS server address" with an empty text box. At the bottom of the main area are "Back" and "Next" buttons. To the right of the main area 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." At the very bottom of the page, there is a version number "Ver:1.0.04" and a progress indicator with five numbered steps (1, 2, 3, 4, 5), where step 4 is highlighted.

Status
Wizard
Wireless
Advanced
Account
Update
Restart
Reset

Please fill in the following information:

Obtain an IP address automatically

IP address

Subnet mask

Gateway address

DNS server address

1 2 3 4 5

Ver:1.0.04

Help
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.

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

Status

Wizard

Wireless

Advanced

Upgrade

Restart

Reset

Enhance Security

You can enhance your system security by choosing the following methods

Hide AP

Change the encryption mode for AP

Change the user name and password for Web server

Back

Next

1

2

3

4

5

6

Help

Hide AP

The SSID of the AP network will be invisible if you hide the AP. Please enter the SSID manually when you need to connect to AP next time.

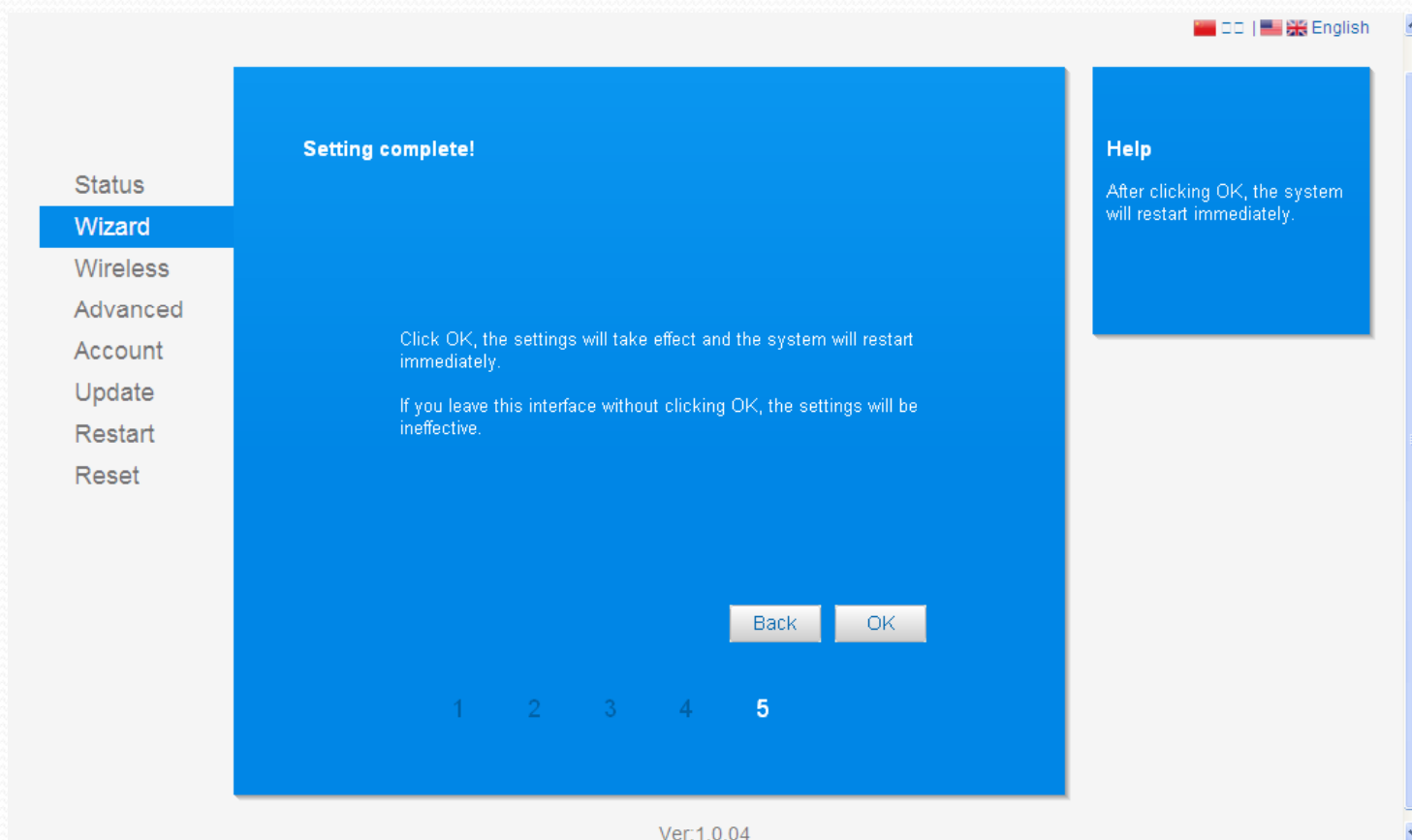
Change the encryption mode for AP

If you set password for the AP network, you will need to enter the password to connect to AP.

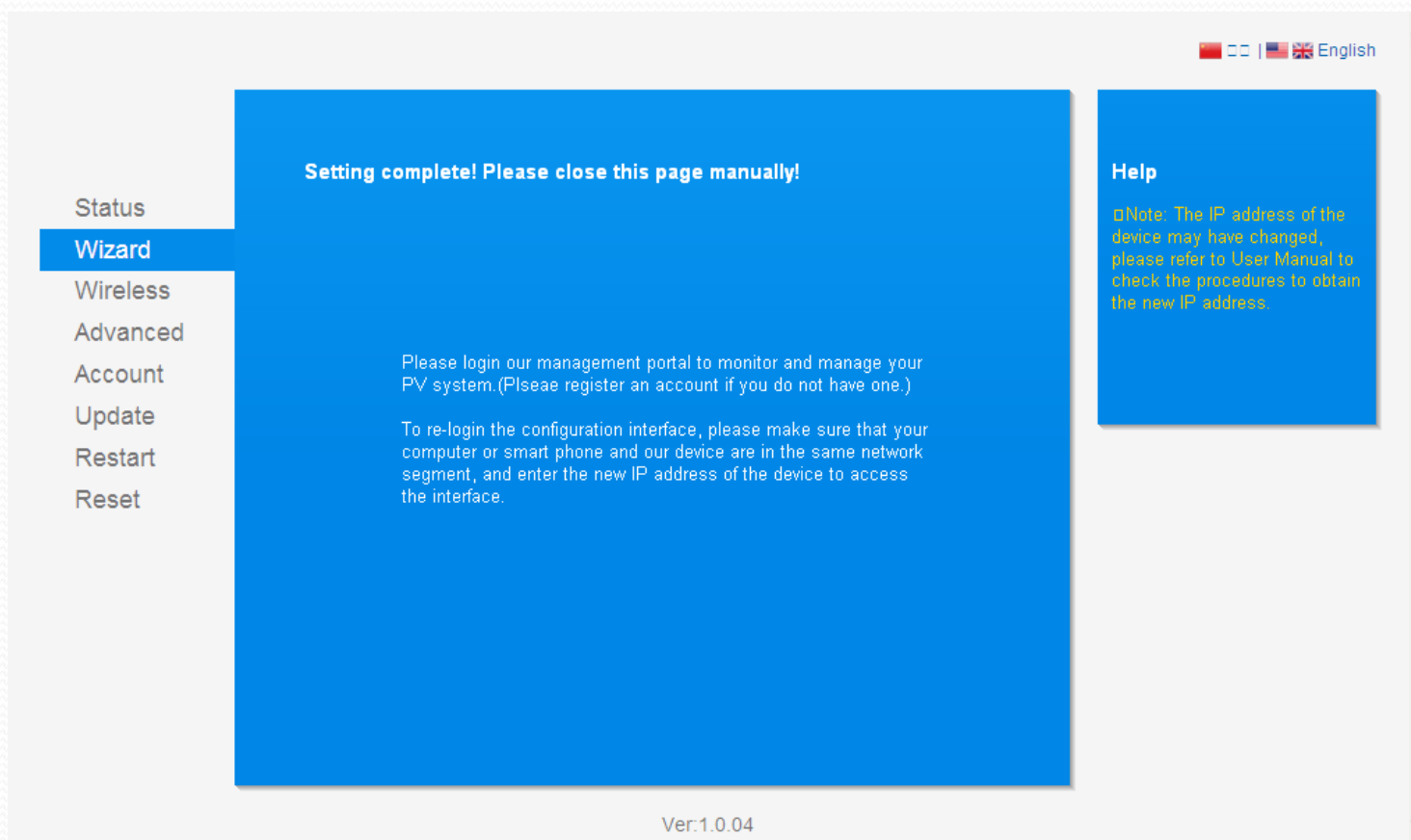
Change the user name and password for Web server

If you change the username and password for the web server, you will need to enter the new username and password

De configuratie is nu voltooid. Klik op 'OK'



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



The screenshot displays the MNIK Omnium Portal configuration interface. 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 has a blue background and contains the following text:

Setting complete! Please close this page manually!

Please login our management portal to monitor and manage your PV system. (Please register an account if you do not have one.)

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.

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.'

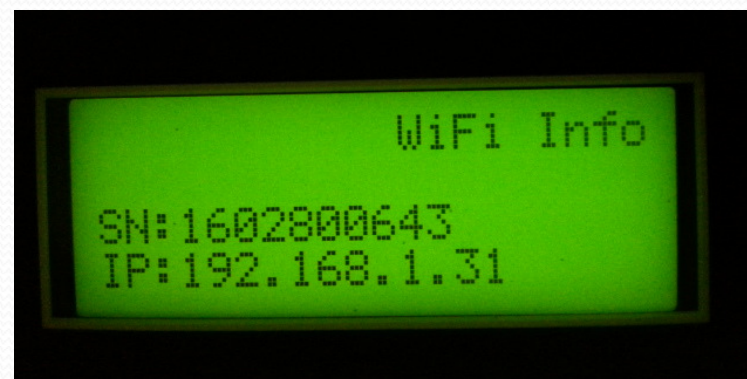
At the bottom center, the version number 'Ver:1.0.04' is displayed. In the top right corner, there are language selection icons (Chinese, English) and the text 'English'. A vertical scrollbar is visible on the far right.

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



TL-type omvormer

TL2-type omvormer

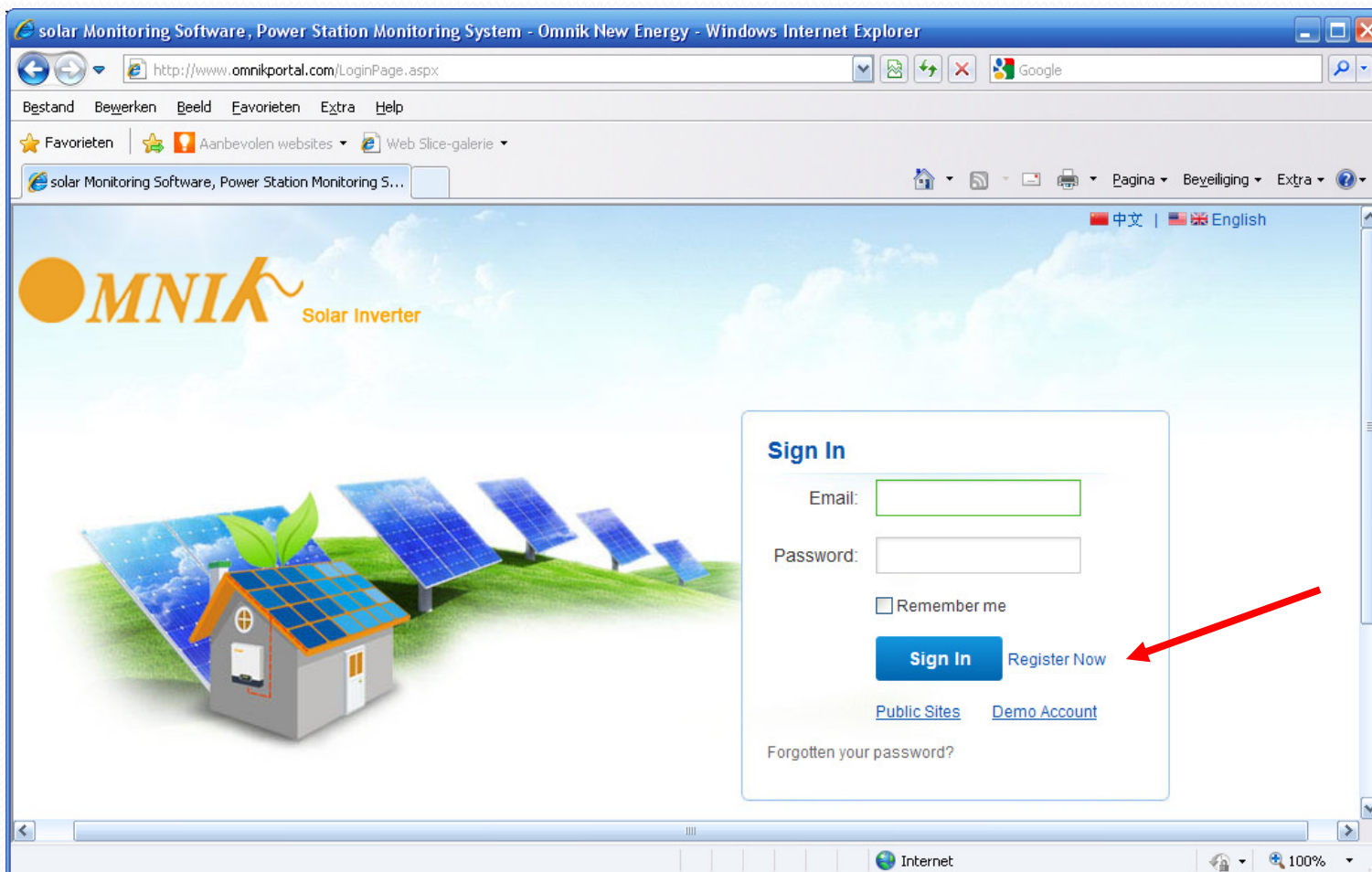


Configuratie op de Omnik Portal

www.omnikportal.com

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 . 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?

Automatische zomertijd

Number Format 1 234 567,89

Komma als decimaalteken

Temperature Unit °C

Temperatuur in Celsius

System Size(kWp) 2,4

Systeemgrootte In kiloWatt met komma

Feed-in Tariff(FIT) 0,20 EUR €

Electriciteitsprijs in € met komma

Panel Type 3S

Type zonnepanelen (niet verplicht)

Inverter Type Omnik

Omschrijving van het systeem

Description Demo systeem van Genieus Solar

☒ Make This Site Public

Registration

Datalogger S/N

604955428



Installer

Genieus Solar

Contact

Name

Frans Majoor

Phone

+31 35 5336866

Complete

Cancel

BELANGRIJK:

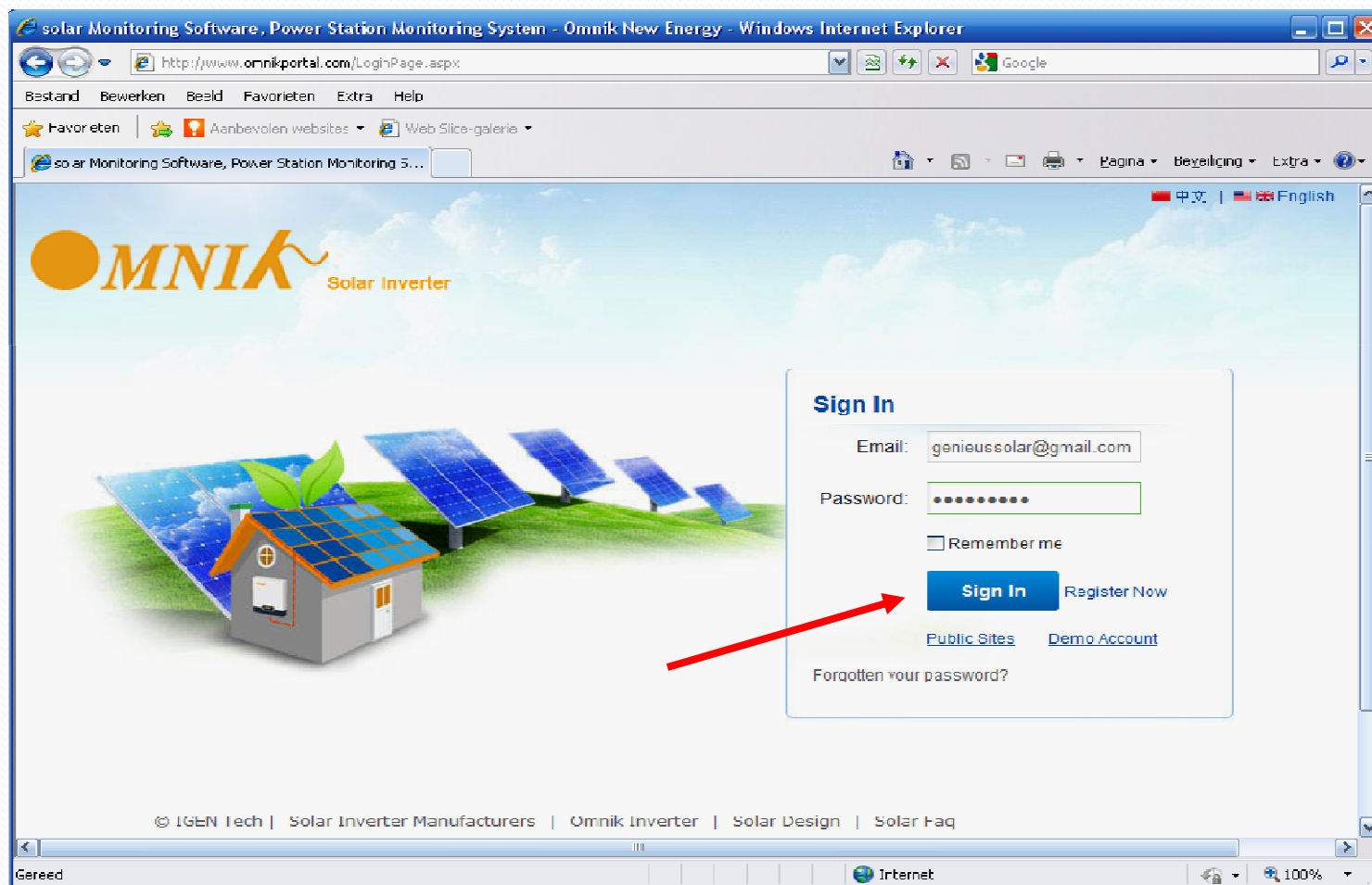
Vul hier het
serienummer
van de WiFi-
kaart in, dit zijn
de getallen van
het 'AP-netwerk'.

Klik op
'Complete'

Wacht op de deze melding. Registratie succesvol.



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



The screenshot shows a web browser window titled "solar Monitoring Software, Power Station Monitoring System - Omnium New Energy - Windows Internet Explorer". The address bar shows "http://www.omniumportal.com/LoginPage.aspx". The page features the MNIK Solar Inverter logo and a background image of solar panels on a house. A "Sign In" form is displayed on the right, with a red arrow pointing to the "Sign In" button. The form includes fields for "Email" (genieussolar@gmail.com) and "Password" (masked with dots). Below the password field is a "Remember me" checkbox. At the bottom of the form are links for "Public Sites" and "Demo Account", and a link for "Forgotten your password?".

Sign In

Email: genieussolar@gmail.com

Password:

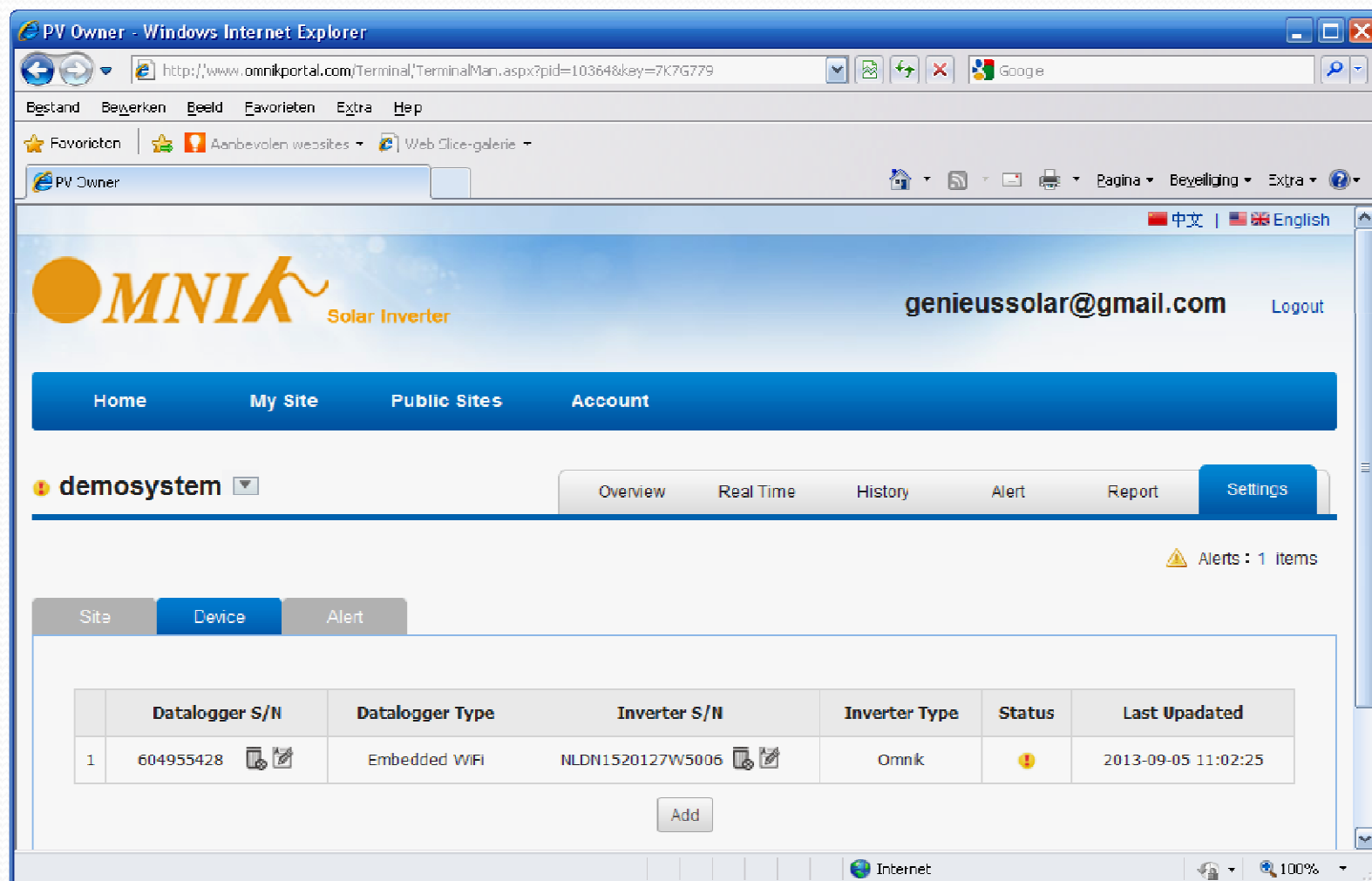
☐ Remember me

Sign In Register Now

[Public Sites](#) [Demo Account](#)

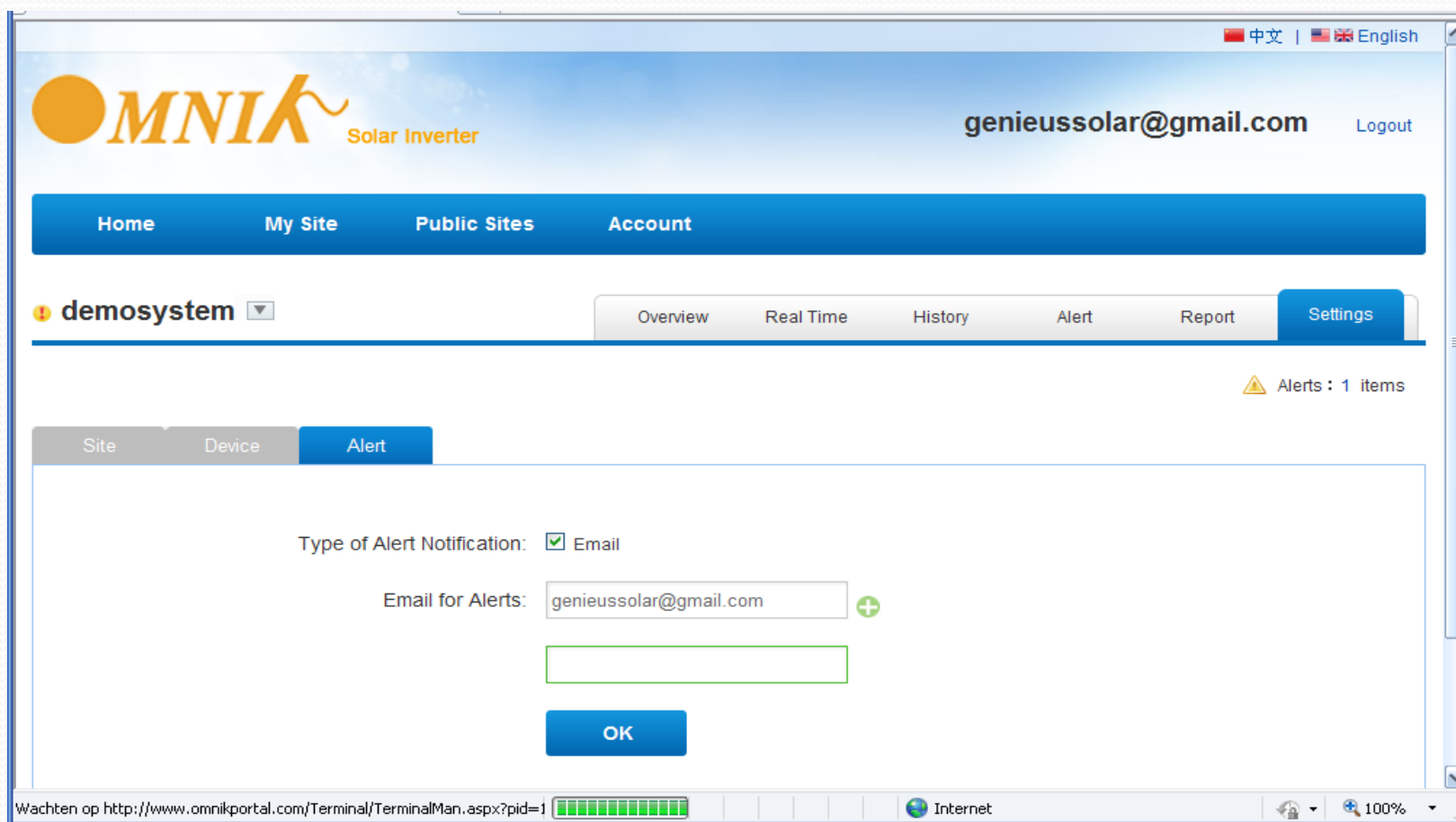
[Forgotten your password?](#)

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



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

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



The screenshot shows the MNIK Solar Inverter web interface. At the top, there is a header with the MNIK logo and the text "Solar Inverter". To the right of the header, the user's email address "genieussolar@gmail.com" is displayed, along with a "Logout" link. Below the header, there is a navigation bar with tabs: "Home", "My Site", "Public Sites", and "Account". Under the "My Site" tab, there is a sub-navigation bar with tabs: "Overview", "Real Time", "History", "Alert", "Report", and "Settings". The "Settings" tab is currently selected. Below the sub-navigation bar, there is a section titled "Alerts : 1 items". Under this section, there are three tabs: "Site", "Device", and "Alert". The "Alert" tab is currently selected. In the "Alert" tab, there is a form with the following fields: "Type of Alert Notification:" with a checked box for "Email", "Email for Alerts:" with a text box containing "genieussolar@gmail.com" and a green plus icon to its right, and an empty text box below it. At the bottom of the form, there is a blue "OK" button. The browser's address bar at the bottom shows the URL "http://www.omnikportal.com/Terminal/TerminalMan.aspx?pid=1".

Wachten op http://www.omnikportal.com/Terminal/TerminalMan.aspx?pid=1

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?