



User Manual of Omnik TL2 Internal Data Collector

Omnik New Energy Co., Ltd.



Catalog

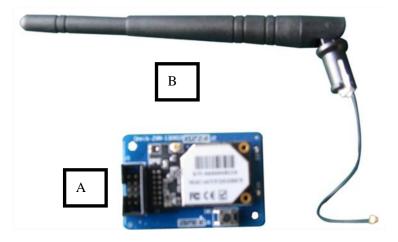
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1. Unpacking

If your inverter had installed the WiFi card, please go to **6. Register on monitoring** website.

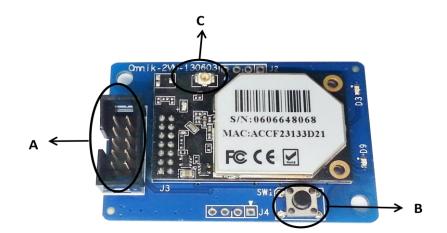
After unpacking the box, please check the parts according to the below list. Contact the manufacturer immediately, should if you find any damage, missing or wrong model.



Picture 1-1

No).	Name	Quantity
Α		PV data collector	1
В		WiFi antenna	1

2. PV Data Collector



Picture 2-1

No.	Name
А	10 pin connector
В	Reset Button
С	I-PEX Interface



3. S/N Label



Picture 3-1

4. WiFi Card Installation

Warning: Before installing the WiFi module to inverter, you must turn off both the AC side and DC side of inverter to make sure personal safety.



Picture 4-1

Unscrew the four screws on the interface panel with the screwdriver as shown in **Picture 4-1** and keep the screws aside.





Picture 4-2

Insert the WiFi antenna through the gland and screw the hex nut with a torque of 2.0 N.m as **Picture 4-2**.





Plug the PV antenna connector into the socket circled in **Picture 4-3**.





Fix PV data collector to the case with two screws as **Picture 4-4**.







Turn the switch on the communication board inside of the inverter to the upside as **Picture 4-5**.



Picture 4-6

Connect the PV data collector to the communication board with communication bus cable as **Picture 4-6**.





Picture 4-7

Tighten the water-proofing case tightly to the inverter with 4 screws as **Picture 4-7** and the installation is completed. Antenna is properly mounted and can be turned in 360 degrees.

5. WiFi Card Information

After installation of WiFi Module, turn on AC side of inverter to display the WiFi information.





Click **"ENTER"** button at the display panel until the screen shows WiFi information. It includes S/N: xxxxx and IP address as **Picture 5-1**.



IP address has three kind values:

Picture 5-2: 0.0.0.0 (router SSID & password is not found by WiFi card, if you have not set connect your router, factory value)

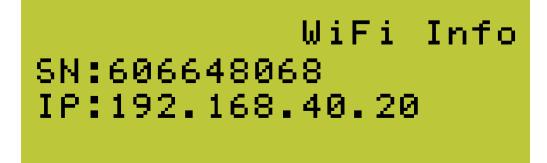
Picture 5-3: 10.10.100.254 (restore default value)

Picture 5-4: 192.168.40.20 (after setting ok)



SN:606648068 IP:10.10.100.254

Picture 5-3



Picture 5-4



6. Register on Monitoring Website

Omnik's PV monitoring system is supported by: IE8, Firefox, Chrome, and Safari. Login the website <u>http://www.omnikportal.com</u>, click register to enter the user registration page, follows the requirements for registration; please fill in the information for register. After successful registration, enter the mailbox and activity the account, then to complete the registration.

6.1 Register New Account





6.2 Fill in User's Information

Create a New Account				
	Email: Confirm Email: Account Type:		*	Please input a valid Email address, used for login and password retrieving Please re-input a valid Email address Choose End User
	Password:		*	6-16 characters, case sensitive
	Confirm Password:		*	6-16 characters, case sensitive
		I accept Terms of Service		
		Next Cancel		
		click and enter the configure interface	e	

Picture 6-2



Remarks: please read the < Omnik service agreement > carefully, the enclosure is the cost list for all the countries; please choose your operators **End User** means the final user "*" you must fill it

"End User" Account

Site Name		*Maximum 20 Letters
Upload Image	Default.jpg	Click and Choose the Picture
	OK Click "Of	K" to Save pic
Country	Afghanistan	*
Province/State	Anhui	*
City	SUZHOU	*
Street		Locate Your Site On Map
ZIP Code]
Timezone	(GMT +08:00) Beijing,Chongqin ▼	
Number Format	1234567.89	Choose your Country Format
Temperature Unit	°F]
System Size(kWp)		*



Temperature Unit	°F
System Size(kWp)	Exchange Unit *
Feed-in Tariff(FIT)	AUD AU\$ 💌 *
Panel Type	3S 🔹
Inverter Type	Omnik
Description	
choose it to sh	are your plant
	Make This Site Public
Registration	Fill in WiFi Card S/N Code, see picture 4-1
Registration Datalogger S/N	
Datalogger S/N	
Datalogger S/N Installer	
Datalogger S/N Installer Contact	

Picture 6-3

After the register, you may enter next chapter **7. Network Settings** (In AP mode by WiFi)



7. Network Settings

Make sure the AC side of inverter is connected to the grid and keep the display on.





- 1) Prepare a computer or device, e.g. tablet PC and smart phone that enables WiFi.
- 2) Obtain an IP address automatically:
- > Open Wireless Network Connection Properties, double click "Internet Protocol Version 4(TCP/IPv4)".
- > Select Obtain an IP address automatically, and **click "OK"**.

无线网络连接 2 Properties X X	Internet Protocol Version 4 (TCP/IPv4) Properties
Networking Sharing	General Alternate Configuration
Connect using:	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator
Microsoft Virtual WiFi Miniport Adapter	for the appropriate IP settings.
Configure	Obtain an IP address automatically
This connection uses the following items:	Use the following IP address:
VMware Bridge Protocol	IP address:
✓ ➡ File and Printer Sharing for Microsoft Networks	Subnet mask:
Internet Protocol Version 6 (TCP/IPv6)	Default gateway:
Internet Protocol Version 4 (TCP/IPv4)	Derault gateway:
🗹 📥 Link-Layer Topology Discovery Mapper I/O Driver	Obtain DNS server address automatically
Link-Layer Topology Discovery Responder	
	Use the following DNS server addresses:
Install Uninstall Properties	Preferred DNS server:
Description	Alternate DNS server:
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	Validate settings upon exit
OK Cancel	OK Cancel

Picture 7-2

3) Open wireless network connection and click "View Wireless Networks":

Select wireless network of the data logging module, no passwords required as default. The network name consists of **AP** and the **serial number** of the product. Then click



"Connect".

ivo netv	work access	
Wireless N	Network ^	
allen	Connected	
tplinkserver		
jerry's	lite.	
dlink	201	=
AP_601184936	Sal.	1
смсс		
	twork and Sharing Center	
	Customize	

Picture 7-3

Currently	y connected	d to:	++	Â
	mnik.com	:55		
	onnect-me lo Internet a			H
- Channell	Inidentif	ied Networl	k	
	dentifyi	ng (AP_601184	936)	
COLUMN TO	lo internet a	secess		
	ss Netwo		^	
	ss Netwo			
Wireles	84936 Name Ar Signal Stre	Connected	۔ اللہ اللہ	
Wireles AP_6011 allen	84936 Signal Stre Security Ty Pladio Typ	Connected Connected outseted ingth: Excellent ype: Unsecured e: 802.11n	- 	
Wireles AP_6011 allen	84936 Name Ar Signal Stre Security T	Connected Connected outseted ingth: Excellent ype: Unsecured e: 802.11n	- 	

Picture 7-4
Connection successful



Notice: If **AP_ (serial number of product)** is not available in the wireless network list, there may be problems in the connection or setting of data logging module. Please check if the WiFi had installed ok, and inverter has been powered on.

Before troubleshooting, please inquire with your inverter installer whether you are allowed to remove the cover of the inverter to trouble shoot the module. If not allowed, please contact customer service.

4) Set parameters of WiFi module:

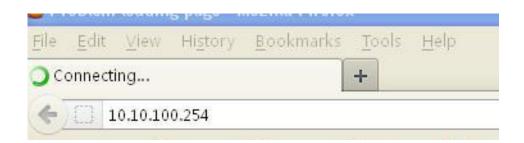
(a) Open a web browser, and enter 10.10.100.254 (the Default IP address of WiFi card, you may set domain name access as **picture 7-5**), then fill in username: **admin** and password: **admin**, both of which are admin as default.

Recommended browsers: Internet Explorer 8+, Google Chrome 15+, Firefox 10+

Note:

- If the IP address shows 0.0.0.0 (factory value) on your LCD (Picture 5-2), it is not a correct address. There are 2 cases show 0.0.0.0:
- Not connect router rightly, you need reset to connect you router to make it right. You can reset
 data collector by press reset button for about 5s or reset it in the wizard interface
- Card loose in the inverter, please check your inverter according chapter **4.WiFi Card** Installation
- ② The default username & password : admin, admin, we suggest modify the username & password:

Step: choose Account; input your username & password.



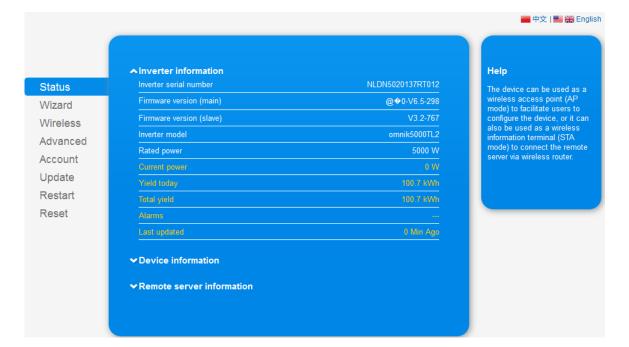
Authenticatio	n Required	×
0	A username and password are being requested by http://10.10.100.254. The site says: "GoAhead"	
User Name:	admin admin	
Password:	admin	
	OK Cancel	

Picture 7-5



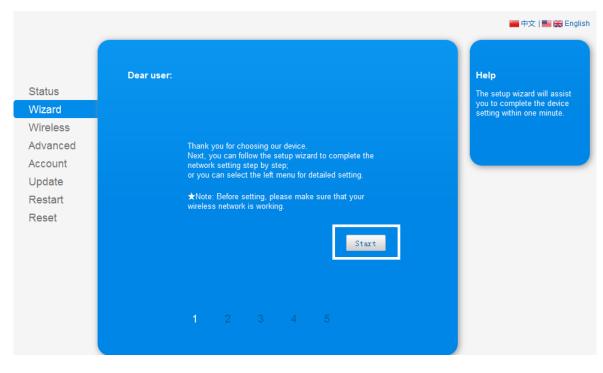
(b) In the configuration interface of WiFi module, you can view general information of the module.

Follow the setup wizard to start quick setting.



Picture 7-6







Click "Start" to continue



		📕 中文 🔤 👬 English
	Please select your current wireless network:	Help
Status		This step will help to connect
Wizard		the device to your desired WLAN. If you do not find your
Wireless		wireless router on the left list, please refresh several times or
Advanced		add it manually.
Account		Please check your wireless router for the right encryption
Update		method and encryption algorithm.
Restart		
Reset		If your wireless router does not broadcast SSID, please set the desired wireless network in Wireless interface.
	★ 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	



Click "Refresh" to search available wireless networks, or add it manually input

Wizard	O omnik-gk 00:87:36:12:b7:b2 29% 1 ○ CMCC b0:75:d5:80:61:f1 10% 1	the device to your desired WLAN. If you do not find your
Wireless	CMCC-AUTO c2:75:d5:80:61:f1 15% 1	wireless router on the left list, please refresh several times or
Asherman	OMCC b0:75:d5:80:5a:8b 70% 1	add it manually.
Advanced	CMCC-AUTO c2:75:d5:80:5a:8b 70% 1	
Account	TP-LINK_kolo 78:a1:06:b2:06:f8 0% 1	Please check your wireless
L la slada	ChinaNet 00:23:ea:00:52:20 44% 6	router for the right encryption method and encryption
Update	TP-LINK_PocketAP_2B1930 38:83:45:2b:19:30 0% 6	algorithm.
Restart	 TP-Lee ec:17:2f.c5:3f.ce 86% 6 	
Deset	ChinaNet 00:21:a1:9c:11:c0 0% 6	If your wireless router does not
Reset	OMNIK-314 20:dc:e6:b7:fe:18 100% 6	broadcast SSID, please set the desired wireless network in
	AP_604444195 ac:cf:23:11:c8:1c 60% 6 CMCC-ALITO C2:75:d5:80:60:8e 55% 6	 Wireless interface.
	▲ CMCL-AUTO IC275785800028215% IB I ★Note: When RSSI of the selected WiFi network is lower than 15%, the connection	
	Refresh Add wireless network manually:	
		
	Add wireless network manually: Network name (SSID)	
	Add wireless network manually: Network name (SSID) (Note: case sensitive)	
	Add wireless network manually: Network name (SSID) (Note: case sensitive) Encryption method WPA2PSK	

Picture 7-9

Select the wireless network you need to connect, and then click "Next"

Notice:

① If the signal strength (RSSI) of the selected network is <10%, which means unstable connection, please adjust the antenna of the router, or use a repeater to enhance the signal.



$\ensuremath{ @ \mathcal{D} }$ We recommend router setting:

- Security setting: WPA2-personal
- Encryption type: AES

Status Wizard	Please enter the wireless networ	rk password:	PI	elp ease make sure you ha tered the correct pass
Wireless				
Advanced	Password (8-64 bytes)	•••••		
Account	(Note: case sensitive)			
Update	Re-enter password	•••••		
Restart		Show Password		
Reset				
		Back Next		
	1 2 3			



Enter the password for the selected network, and then click "Next"

	Please fill in the following information:	Help
Status		Most systems support the
Wizard	Obtain an IP address Enable 🗸	function of DHCP to obtain IP address automatically. Please
Wireless	automatically	select disable and add it manually if your router does
Advanced	IP address 0. 0. 0. 0	not support such function.
Account	Subnet mask 0. 0. 0. 0	
Update	Gateway address 0. 0. 0. 0	
Restart	DNS server address	
Reset		
	Back Next	
	1 2 3 4 5	



Select "Enable" to obtain an IP address automatically, then click "Next"



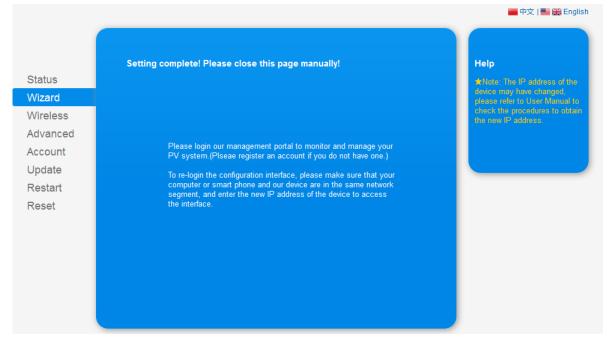
Notice:

- (I) Turn off the firewall of the router
- ② Make sure the DHCP function of the router is enable

Status Wizard	Setting complete!	Help After clicking OK, the system will restart immediately.
Wireless Advanced Account Update Restart Reset	Click OK, the settings will take effect and the system will restart immediately. If you leave this interface without clicking OK, the settings will be ineffective.	
	Back OK 1 2 3 4 5	

Picture 7-12

If setting is complete, the above page will display. Click "OK" to restart.



Picture 7-13

If setting is complete, the above page will display after about 10s.

After your WiFi card set ok and get IP address from your router for example: 192.168.40.20, (You may see the IP address from LED as **picture 5-4**)



Input: <u>http://192.168.40.20/</u> will display the following page:

ter serial number ware version (main) ware version (slave) ter model d power ant power i today	NLDN5020137RT012 @◆0-V6.5-298 V3.2-767 omnik5000TL2 5000 W 0 W	The device can be used as wireless access point (AP mode) to facilitate users to configure the device, or it c also be used as a wireless information terminal (STA mode) to connect the remo server via wireless router.
ware version (slave) ter model d power ant power	V3.2-767 omnik5000TL2 5000 W	configure the device, or it c also be used as a wireless information terminal (STA mode) to connect the remo
ter model d power ent power	omnik5000TL2 5000 W	also be used as a wireless information terminal (STA mode) to connect the remo
d power ent power	5000 W	mode) to connect the remo
	0.W	server via wireless router.
	100.7 kWh	
yield		
updated	0 Min Age	
SSID	AP_606648068	
less AP mode	Enable	
14 and the second second		
ee to settletos	Connect router, STA will enable	
IP address	Get IP from router	
MAC address	AC:CF:23:13:3D:21	
	IP address MAC address less STA mode Router SSID Signal Quality IP address	updated 0 Min Age rice information 606648068 ware version 114.01.36Y1.0.05W1.0.04 less AP mode Enable SSID AP_606648068 IP address 10.10.100.254 MAC address AC:CF:23:13:3D:20 less STA mode Enable Router SSID Connect router. STA will enable MNIK-314 Signal Quality IP address Get IP from router 192.168.40.20 192.168.40.20

Picture 7-14



You may also add your domain name of WiFi card to easy access according below picture, after you set ok, input **http://wifi**, you may also access the related page:

	Wireless access point setting		Help
Status	Network mode	11b/g/n mixed mode 👻	In this page, you can configure the parameters of
Wizard			the device when it works
Wireless	Network name(SSID)	AP_606648068	under the wireless access point mode.
Advanced	Module MAC address	AC:CF:23:13:3D:20	
Remote server	Select channel	Auto-select 🗸	Please do not change the default settings, or the
Wireless point	Transmission power	High 🗸	parameters change will cause device malfunction.
Account		Save	★Note: After changing the
Update			settings, the device must be restarted.
Restart	Wireless access point security setting		restaneu.
Reset			
	Encryption mode	Disable 👻	
		Save	
	LAN parameters setting		
	IP address (DHCP gateway setting)	10. 10. 100. 254	
	Subnet mask	255. 255. 255. 0	
	DHCP Server	Enable 🗸	
	Domain name	wifi	
	(The domain name should be v could be combination of alphab alphabets must be included)		
		Save	

Picture 7-15

Now we finish the network setting, then you may login <u>www.omnikportal.com</u> to browse your data.



8. Login Monitoring System

After the successful register and account activation, open the login interface as below **picture 8-1**, input the correct email and code and enter the PV monitoring system, then you can monitor and manage the power station.





MN omnik Logout Solar Inverter Public Sites Account Home My Site OmnikSol 4K WiFi 1 Map Satell Address: xinghu Road No.218 Biobay Country: China Peak Power: 5.68 KW 2 501000014 Address: Ukrai Kazakhsta Power station list Country: 阿根廷 North Pacific Ocean Turke Peak Power: 0.23 KW Edit Delete Pakistar Egypt India 3 Andy to europe Address: Ethiopia Country: 比利时 DR Congo Kenya Peak Power: 0.14 KW Indonesia Papua New Guinea Tanzania

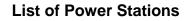
"End User" User Interface

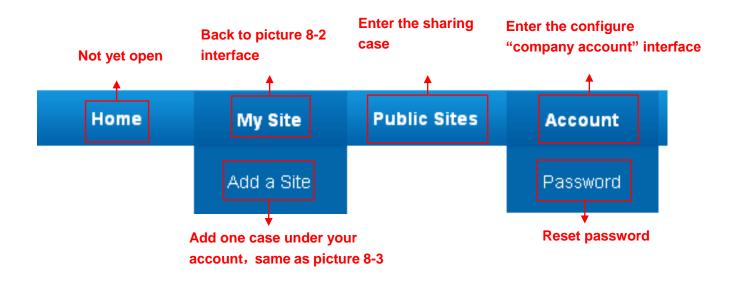
Picture 8-2







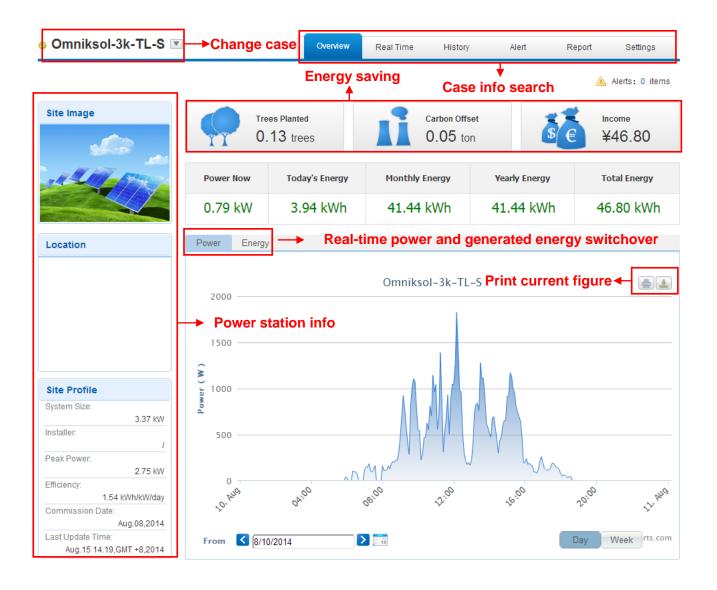






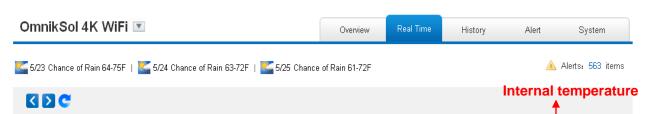






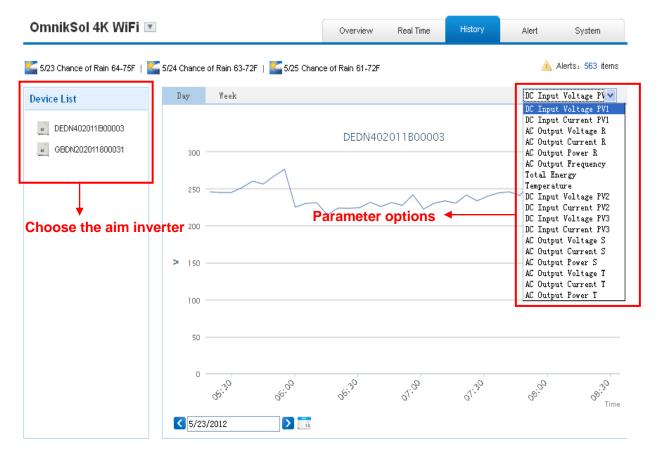
Main interface of Power Station





No.	Inverter S/N		DC Input				AC Outp	out		Total Energy	Temp-	Time
NU.	Inverter 5/ N	Channel	Voltage(V)	Current(A)	Phase	Voltage(V)	Current(A)	Power(W)	Frequency(Hz)	(kWh)	erature(°C)	nine
		PV1	255.5	2.2	R	231.8	2.2	529				
1	DEDN402011B00003	PV2	0.0	0.0	s	0.0	0.0	O	50.04	1288.6	23.0	2012-05-23
		PV3	0	0	т	0.0	0.0	O			×	08:32:30
		PV1	247.4	0.3	R	231.0	0.3	0	La	test data	a collect	-
2	GBDN202011800031	PV2	0.0	0.0	s	0.0	0.0	O	50.05	442	30.0	2012-04-16
		PV3	0	0	т	0.0	0.0	0				17:34:48

Real Time Interface

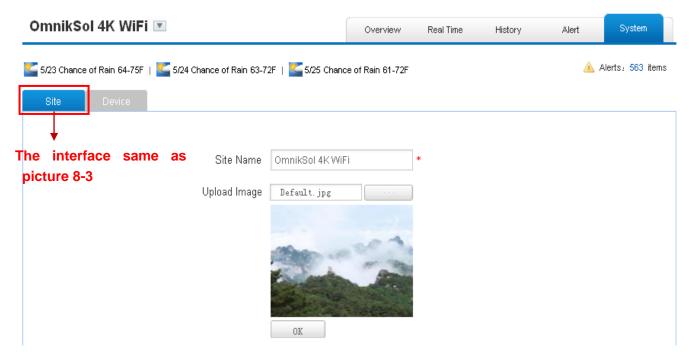


Picture 8-7 History Interface



nnikSol 4K Wil			Overview	Real Time History	Alert	System
5/23 Chance of Rain 64-75	F 🌄 5/24 Chance of Rain 63-72F	🧲 5/25 Chance of	Rain 61-72F			Alerts: 563 items
ect: View All 💉 Vi	ew All 💌 🔣 Page 1	of 57 🔰 🔰 😋				
Inverter	Inverter Manufacturer	Information	Code	Alert Time	Status	View History
DEDN202011800912	Default	Utility Loss	F09	3/8/2012 16:10:38	Unhandled	History
GBDN202011800031	Default	Utility Loss	F09	2/11/2012 11:9:3	Unhandled	History
SBDN202011800031	Default	Utility Loss	F09	2/13/2012 12:56:36	Unhandled	History
DEDN202011800912	Default	Utility Loss	F09	3/8/2012 16:11:38	Unhandled	History
5BDN202011800031	Default	Utility Clic	:k. turn	to picture 8-7	Unhandled	History
SBDN202011800031	Default	Utility	,		Unhandled	History
SBDN202011800031	Default	Utility Loss	F09	2/11/2012 11:19:10	Unhandled	History
SBDN202011800031	Default	Utility Loss	F09	2/13/2012 13:6:38	Unhandled	History
BDN202011800031	Default	Utility Loss	F09	2/11/2012 11:24:14	Unhandled	History
5BDN202011800031	Default	Utility Loss	F09	2/13/2012 13:11:42	Unhandled	History

Alert Interface





System Setting Interface



Om	nikSol 4K WiFi 💌		Overview Real Time	History Alert	System
5/23	3 Chance of Rain 64-75F 🌄 5/24 Ch	ance of Rain 63-72F 똩 5/25 Chanc	e of Rain 61-72F	<u> </u>	Alerts: 563 items
Si	te Device				
	Datalogger S/N	Datalogger Name	Manufacturer	opera	te
:	601230010		Unfound	Delete	Edit
2	2 300000012	网 关1	Unfound	Delete	Edit
		[A	.dd		
	Ad	1			
		Datalogger S/N			
		C	ж		

System Setting Interface

9. iPhone & iPad Application

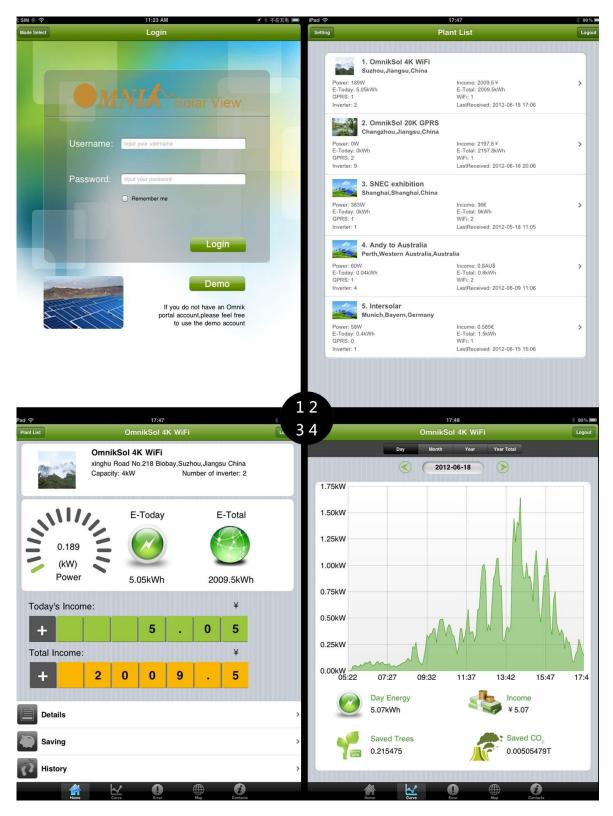
9.1 Auto Mode

After registration of the power station, you can input the key words: Omnik, solar, inverter, PV, energy, plant, monitor at the app store, then you can download the Omnik solar (iPhone) and Omnik Solar HD (iPad) at app store.

After the download input your user name and password, then visit your station, (we supply a free demo, for the users who do not register) choose the power station and enter the main interface, and then you the daily energy etc. will be displayed.

Meanwhile, you can view the relevant date to view the curve as below:





Picture 9-1

- 1. Log in interface
- 2. Power station list interface
- 3. Main interface
- 4. Daytime curve interface



9.2 Manual Mode

1) Step for monitoring without Internet connection (Manual Mode)

There are two methods to monitor the inverter via WiFi without the internet connection.Device connected directly to the Inverter WiFi.

Search the WiFi list on your smart device and connect to the relevant Inverter WiFi data logger beginning with AP_6xxxxxx (as shown in the example below).

Open **"Solar View"** on your device (which you should have downloaded from Apple APP store), and choose **"Manual Mode"**. You are now able to monitor the inverter and the power being generated through it.

This example shows device connection to an inverter with 601184936 WiFi:

Both the Inverter WiFi and monitoring device (Smart Devices using IOS) connected to the LAN (not Internet) via the wireless router. Please follow instructions from 7. Network Settings (In AP mode by WiFi).

After finishing the above procedures, launch the **"Solar View"** on your device and click **"manual mode"**. You are now able to monitor the inverter and the power being generated through it.





2) Features

- a. Monitoring WiFi device without internet connection.
- b. Display all the relevant data from the inverter.
- c. Local access is much faster, and does not rely on external networking.
- d. Same functions as online monitoring system.



		10:02	39 % 💷 iPad 1	? `	10:03		39 % 🛤
		Mode Select	Moc	le Select	WiFi Lis	st	Setting
				1. 3000 IP: 192.16	00001 6.16.90		>
Γ		Manual Mode Auto Mode As a default setting					
	-	Next					
¢		10:03	12		10:03		39% 🕬
। २		10.03 Setting		J0001	10:03 Details	5	39 % 1 5
Excha	nge:		12 34			Gapacity: 2.5kW	39% 10 %
Excha	nge: ty (kW):	Setting	3 4		Details SN: 300000001		39 % 62
Excha	ty (kW):	Setting	3 4	WFF	Details SN: 300000001 IP: 192.168.16.90		39% 🗷
Excha	ty (kW):	Setting	3 4	WFF	Details SN: 30000001 IP: 192.168.16.90 Number of Inverters: 2 1. DEIN202011600186 E-Today: 655.00kWh	Capacity: 2.5kW E-Total: 3.0kWh	
Capaci	ty (kW): ne (/kWh):	Setting V 2.5 2.3	3 4	WFF	Details SN: 30000001 IP: 192.168.16.90 Number of Inverters: 2 1. DEIN202011600186 E-Today: 655.00kWh Power: 2.5kW	Capacity: 2.5kW	-25 10:03:93
Capaci	ty (kW): ne (/kWh): ced CO ₂ (T/kWh):	Setting	3 4	Inverters:	Details SN: 30000001 IP: 192.168.16.90 Number of Inverters: 2 1. DEIN202011600186 E-Today: 655.00kWh Power: 2.5kW 0.0 °C	Capacity: 2.5kW E-Total: 3.0kWh Last Received: 2012-09) h 0.0
Capaci	ty (kW): ne (/kWh): xed CO ₂ (T/kWh): Trees (/kWh):	Setting	3 4	Inverters:	Details SN: 30000001 IP: 192.168.16.90 Number of Inverters: 2 1. DEIN202011600186 E-Today: 655.00kWh Power: 2.5kW 0.0 °C 6.0 0.0 lac_L2(A) 0.0 Vac_L2(V	Capacity: 2.5kW E-Total: 3.0kWh Last Received: 2012-09 H-Total: 3.0 Ipv2(A): Vpv2(V) :: 6553.0 lac_L3(-25 10.03.93) h 0.0
Capaci	ty (kW): ne (/kWh): xed CO ₂ (T/kWh): Trees (/kWh):	Setting	3 4	Inverters: Inverters: Image: Constraint of the second	Details SN: 30000001 IP: 192.168.16.90 Number of Inverters: 2 1. DEIN202011600186 E-Today: 655.00kWh Power: 2.5kW 0.0 °C 6.0 0.0 lac_L2(A) 0.0 Vac_L2(V	Capacity: 2.5kW E-Total: 3.0kWh Last Received: 2012-09 H-Total: 3.0 Ipv2(A): Vpv2(V) :: 6553.0 lac_L3(-25 10:03:93) h 0.0 (V): 6553.0 (V): 6553.0
Capaci	ty (kW): ne (/kWh): xed CO ₂ (T/kWh): Trees (/kWh):	Setting	3 4	Inverters: Inverters: Image: Constraint of the second	Details SN: 30000001 IP: 192.168.16.90 Number of Inverters: 2 1. DEIN202011600186 E-Today: 655.00kWh Power: 2.5kW 0.0 °C 6.0 0.0 °C 6.0 0.0 Vac_L2(A) 0.0 Vac_L2(VHz): 0.00 2. DEIN202011600187 E-Today: 655.00kWh Power: 2.5kW	Capacity: 2.5kW E-Total: 3.0kWh Last Received: 2012-09 M-Total: 3.0 Ipv2(A): Vpv2(V) : 6553.0 lac_L3(: 6553.0 Vac_L3 E-Total: 3.0kWh	-25 10:03:93 D h 0.0 4): 6553.0 (V): 6553.0 -25 10:03:11

Picture 9-3

- 1.Choose interface
- 2.Connect WiFi card ok
- 3.Setting page
- 4. Inverter information



10. Contact

If you have any technical problems about our products, please contact us, you should confirm the follow things before contact us:

- Device model
- Data collector serial number
- The number of connected inverter

Add: Xinghu Road No.218 bioBAY Park A4, Suzhou China

Zip code : 215213 Fax: +86 512 6295 6682 Tel: +86 512 6295 6676 Mail: Sales@omnik-solar.com



Appendix.

1. LED Indicators



Picture A1

LED Name	Status	Description
RUN	On/Blinking	Module is working
RUN	Off	Module is not working
	On	Module is successfully connected to the server by WiFi under STA mode
LINK	Blinking	The WiFi module is in AP mode
	Off	In STA mode; No WiFi connection or no connection to the server
	On	Communication with the inverter is working
STATUS	Blinking	Communicating with the inverter (transferring data)
	Off	Communication with the inverter is not working



2. Troubleshooting

S	Status			
RUN	LINK	STATUS	Possible Causes	Solution
On/Blinking	On	On	Connection is successful	No need
On/Blinking	On	Blinking	Communicating with the inverter	No need
Off	Off	Off	No power connection	Check if the connecting fingers are contacting properly
- Oli	Oli	Oli	No power connection	Check if the inverter is working properly
			Inverter connection is abnormal	Check if the inverter is working properly
			Resetting or initializing	Check the LEDs again after 1 minutes
On/Blinking	Off	Off	WiFi connection is not successful	Change the position of the inverter or the antenna to get better signal reception
			Antenna is not properly connected	Check if antenna is connected properly. Screw tight if loose
On/Blinking	On	Off	Communication with the inverter is abnormal	Check if the connecting fingers are contacting properly
On/Blinking On X		Connection of the data collector is abnormal	Check the setting of AP wireless router	
				Check the WiFi settings

Note 1 : X means status unknown.

Note 2 : If the device is still not working after above operations in the table, please try resetting the device. If it is still not working after the reset, please contact customer service of the manufacturer.