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# UserManual

- Installation
- Operation

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## Omnik Ethernet Card

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Omnik New Energy Co.,Ltd.

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# Catalog

1. Unpacking.....	2
2. PV Data Collector.....	2
3. S/N Label.....	3
4. Ethernet Card Installation .....	3
5. Register on Monitoring Website .....	7
5.1 Register New Account .....	7
5.2 Fill in User's Information .....	7
6. Login Monitoring System.....	10
7. iPhone & iPad Application .....	15
7.1 Auto Mode .....	15
8. Contact.....	17

## 1. Unpacking

If your inverter had installed the Ethernet 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
A	PV data collector	1

## 2. PV Data Collector



Picture 2-1

No.	Name
A	10 pin connector
B	Network interface

### 3. S/N Label



Picture 3-1

### 4. Ethernet Card Installation

*Warning: Before installing the Ethernet Card 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

Wear the Ethernet cable into the waterproof terminals, and waterproof terminals and the cover plate is installed as **Picture 4-3**.



Picture 4-3

Insert the cable through the links for hexagonal nut screw and with 2.0 N of torque.



Picture 4-4

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





Picture 4-5

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

Strengthen waterproof case closely inverter and picture 4-7 and 4 screws installation is complete.

Then one end of the cable connected to the router LAN port, the router connected to the normal Settings, can be registered in OMNIK monitoring site monitoring.



## 5. Register on Monitoring Website

Omnik's PV monitoring system is supported by: IE8, Firefox, Chrome, and Safari. Login the website <http://www.omnikportal.com>, 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.


### 5.1 Register New Account



Picture 5-1

### 5.2 Fill in User's Information

Create a New Account



Email:  \*

Confirm Email:  \*

Account Type:  ▼

Password:  \*

Confirm Password:  \*

☒ I accept [Terms of Service](#)

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

Please re-input a valid Email address

**Choose End User**

6-16 characters, case sensitive

6-16 characters, case sensitive

click and enter the configure interface

Picture 5-2

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	<input type="text"/>	*Maximum 20 Letters
Upload Image	<div>Default.jpg <input data-bbox="853 526 1013 593" type="button" value="..."/></div> <div></div> <div><input data-bbox="558 884 774 963" type="button" value="OK"/></div>	<b>Click and Choose the Picture</b>     <b>Click "OK" to Save pic</b>
Country	<input type="text" value="Afghanistan"/>	*
Province/State	<input type="text" value="Anhui"/>	*
City	<input type="text" value="SUZHOU"/>	*
Street	<input type="text"/>	Locate Your Site On Map
ZIP Code	<input type="text"/>	
Timezone	<input type="text" value="(GMT +08:00) Beijing,Chongqin"/>	
Number Format	<div><input type="text" value="1234567.89"/> <input data-bbox="957 1556 997 1601" type="button" value="v"/></div>	<b>Choose your Country Format</b>
Temperature Unit	<input type="text" value="°F"/>	
System Size(kWp)	<input type="text"/>	*

Temperature Unit	<input type="text" value="°F"/>
System Size(kWp)	<input type="text"/> <b>Exchange Unit</b> *
Feed-in Tariff(FIT)	<input type="text"/> AUD AU\$ <input type="text"/> *
Panel Type	<input type="text" value="3S"/>
Inverter Type	<input type="text" value="Omnik"/>
Description	<input type="text"/>
<b>choose it to share your plant</b>	
<input checked="" type="checkbox"/> Make This Site Public	

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Registration	<b>Fill in WiFi Card S/N Code, see picture 4-1</b>
Datalogger S/N	<input type="text"/> * 
Installer	<input type="text"/>

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Contact	
Name	<input type="text"/>
Phone	<input type="text"/>

**Finish the register**

Picture 5-3

After the register, you may enter next chapter 6 Login Monitoring System

## 6. Login Monitoring System

After the successful register and account activation, open the login interface as below **picture 6-1**, input the correct email and code and enter the PV monitoring system, then you can monitor and manage the power station.



Picture 6-1

### “End User” User Interface

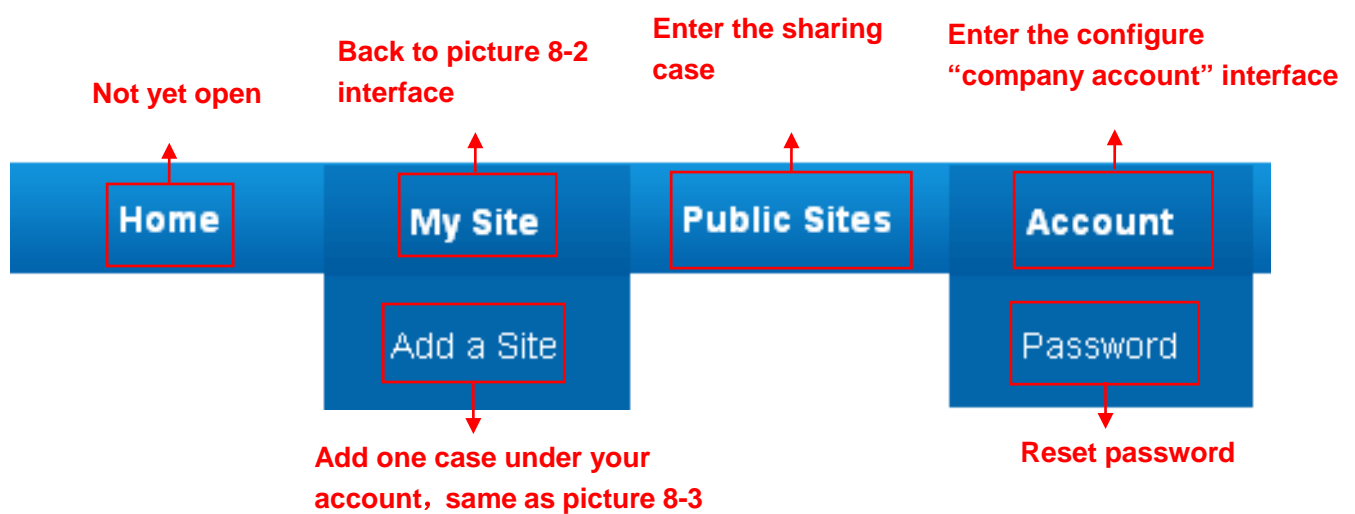


Picture 6-2



Picture 6-3

## List of Power Stations



Picture 6-4

## Navigation Bar



Picture 6-5

## Main interface of Power Station

OmnikSol 4K WiFi

Overview

Real Time

History

Alert

System

5/23 Chance of Rain 64-75F | 5/24 Chance of Rain 63-72F | 5/25 Chance of Rain 61-72F

Alerts: 563 items

No.	Inverter S/N	DC Input			AC Output				Total Energy (kWh)	Temperature(°C)	Time
		Channel	Voltage(V)	Current(A)	Phase	Voltage(V)	Current(A)	Power(W)			
1	DEDN402011B00003	PV1	255.5	2.2	R	231.8	2.2	529	50.04	23.0	2012-05-23 08:32:56
		PV2	0.0	0.0	S	0.0	0.0	0			
		PV3	0	0	T	0.0	0.0	0			
2	GBDN202011800031	PV1	247.4	0.3	R	231.0	0.3	0	50.05	30.0	2012-04-16 17:34:48
		PV2	0.0	0.0	S	0.0	0.0	0			
		PV3	0	0	T	0.0	0.0	0			

Internal temperature

Latest data collecting time

Picture 6-6

## Real Time Interface

OmnikSol 4K WiFi

Overview

Real Time

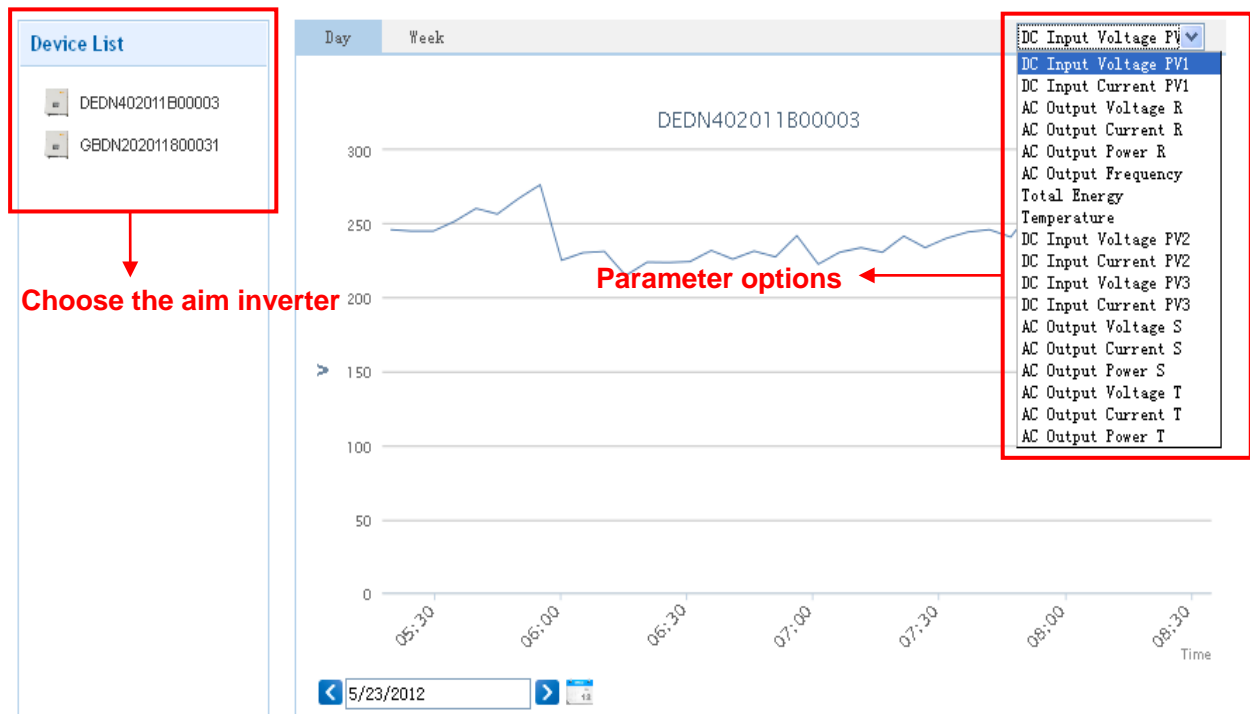
History

Alert

System

5/23 Chance of Rain 64-75F | 5/24 Chance of Rain 63-72F | 5/25 Chance of Rain 61-72F

Alerts: 563 items



Picture 6-7

## History Interface



## OmnikSol 4K WiFi

[Overview](#)
[Real Time](#)
[History](#)
[Alert](#)
[System](#)

5/23 Chance of Rain 64-75F | 5/24 Chance of Rain 63-72F | 5/25 Chance of Rain 61-72F

Alerts: 563 items

Select: [View All](#) [View All](#) [K](#) [K](#) Page 1 of 57 [>](#) [>](#) [C](#)

Inverter	Inverter Manufacturer	Information	Code	Alert Time	Status	View History
DEDN202011800912	Default	Utility Loss	F09	3/8/2012 16:10:38	Unhandled	<a href="#">History</a>
GBDN202011800031	Default	Utility Loss	F09	2/11/2012 11:9:3	Unhandled	<a href="#">History</a>
GBDN202011800031	Default	Utility Loss	F09	2/13/2012 12:56:36	Unhandled	<a href="#">History</a>
DEDN202011800912	Default	Utility Loss	F09	3/8/2012 16:11:38	Unhandled	<a href="#">History</a>
GBDN202011800031	Default	Utility			Unhandled	<a href="#">History</a>
GBDN202011800031	Default	Utility			Unhandled	<a href="#">History</a>
GBDN202011800031	Default	Utility Loss	F09	2/11/2012 11:19:10	Unhandled	<a href="#">History</a>
GBDN202011800031	Default	Utility Loss	F09	2/13/2012 13:6:38	Unhandled	<a href="#">History</a>
GBDN202011800031	Default	Utility Loss	F09	2/11/2012 11:24:14	Unhandled	<a href="#">History</a>
GBDN202011800031	Default	Utility Loss	F09	2/13/2012 13:11:42	Unhandled	<a href="#">History</a>

Click, turn to picture 8-7

Picture 6-8

### Alert Interface

## OmnikSol 4K WiFi

[Overview](#)
[Real Time](#)
[History](#)
[Alert](#)
[System](#)

5/23 Chance of Rain 64-75F | 5/24 Chance of Rain 63-72F | 5/25 Chance of Rain 61-72F

Alerts: 563 items

[Site](#)
[Device](#)

The interface same as picture 8-3

Site Name




Upload Image  [...](#)



[OK](#)

Picture 6-9

### System Setting Interface

 5/23 Chance of Rain 64-75F |  5/24 Chance of Rain 63-72F |  5/25 Chance of Rain 61-72F

 Alerts: 563 items

Site

Device

	Datalogger S/N	Datalogger Name	Manufacturer	Operate
1	601230010		Unfound	<div>Delete</div> <div>Edit</div>
2	300000012	网关1	Unfound	<div>Delete</div> <div>Edit</div>

Add

Add

Datalogger S/N

OK

Picture 6-10

## System Setting Interface

## 7. iPhone & iPad Application

### 7.1 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

## 8. 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

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