Omnik Product Portfolio

Omnik New Energy

OVERVIEW

Omnik Product Portfolio

High Efficiency

High Reliability

High Stability

Simple

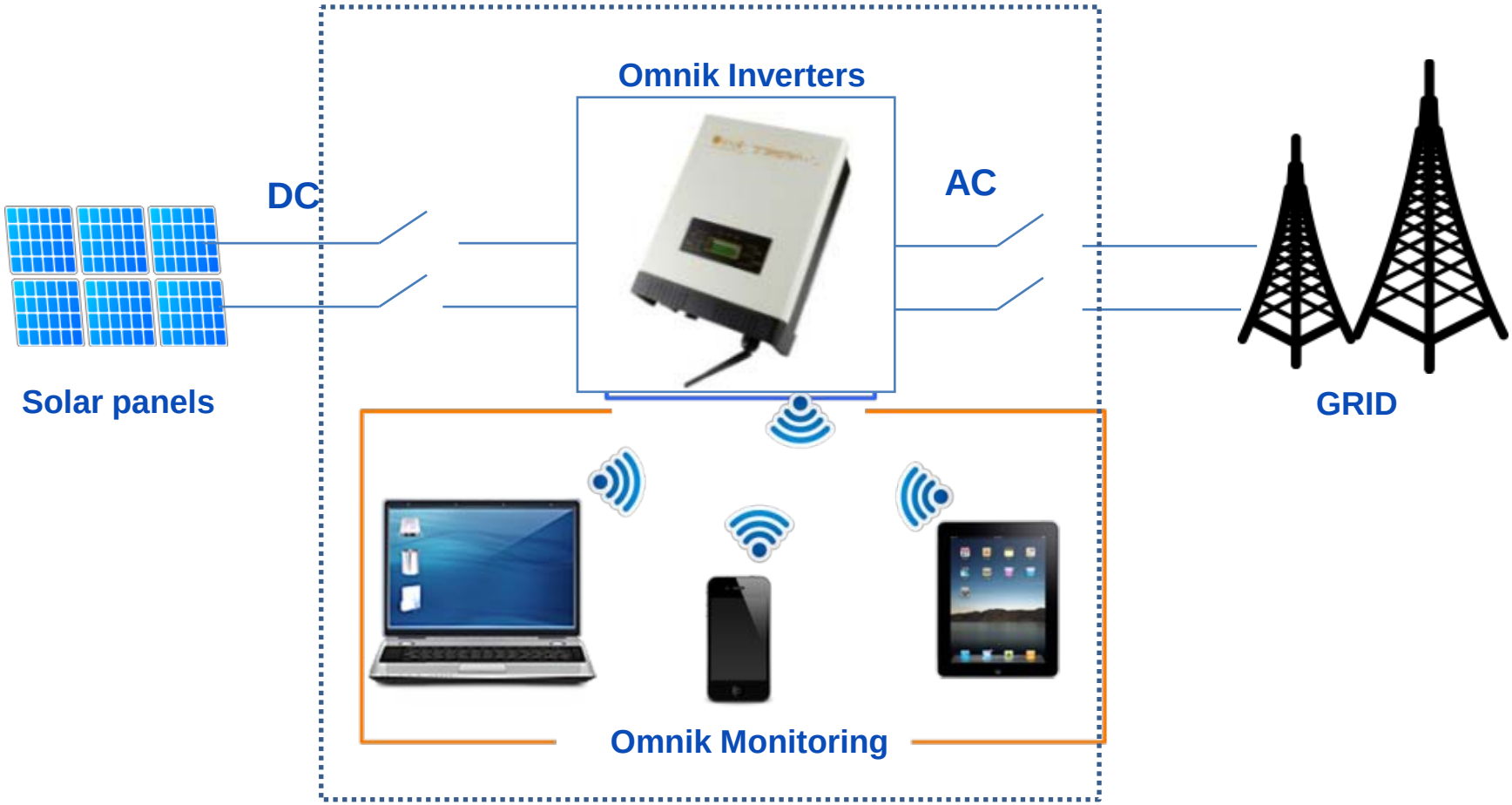
High Reliability And Quality

Long Lifetime

High Yield

Customized Design

Photovoltaic System



Omnik Inverters

Single Phase Inverter

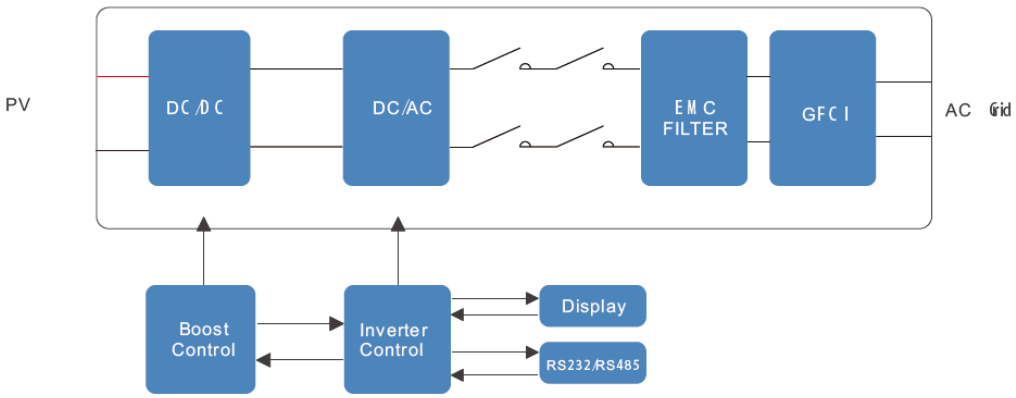
Three Phase Inverter

Hybrid Inverter

Microinverter

Omnik Single Phase Inverter-1k/1.5k/2k-TL

Block Diagram

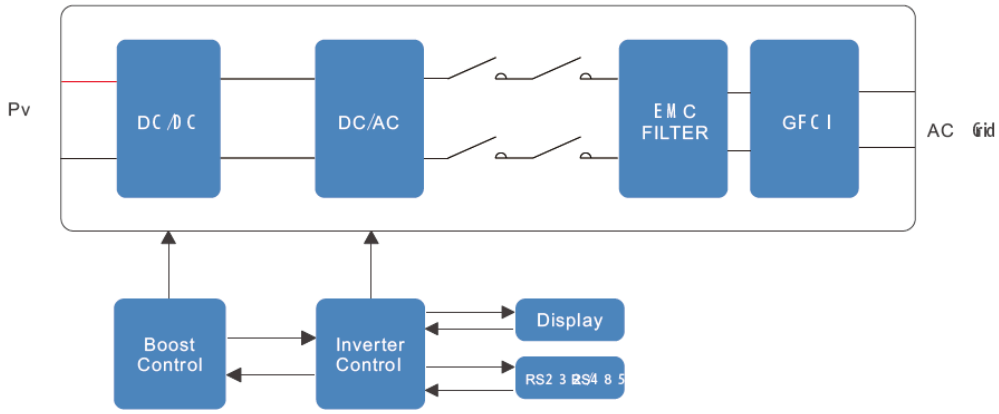


Features:

- Transformerless design, high efficiency (Max.97.5%,Euro.96.6%)
- High MPPT accuracy(>99.9%)
- Wide DC input range(80-500Vdc), compatible with different module technologies
- Easy to wire, install and operate
- IP 65 design, suitable for indoor and outdoor installation
- 5 years warranty(10~25 years as option)

Omnik Single Phase Inverter-1k/1.5k/2k-TL2

Block Diagram

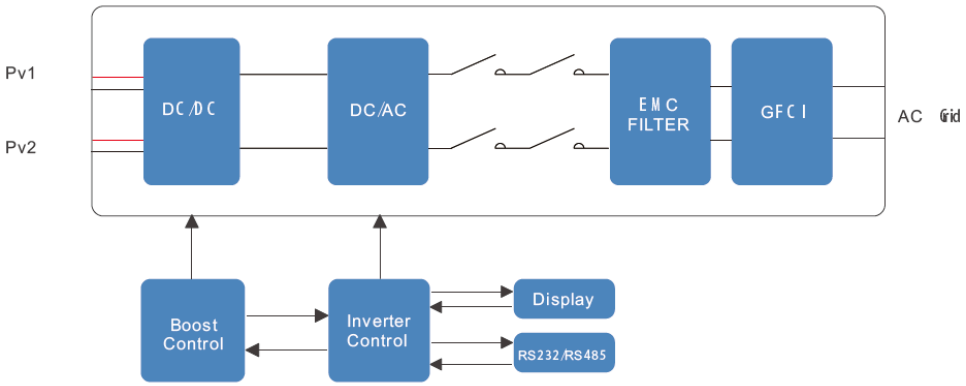


Features:

- Built-in GPRS as option
- Built-in Wifi as option
- External inductor
- Smaller and lighter, 2k only 9.6kg
- High performance DSP for algorithm control
- VDE-AR-N 4105 certification
- Self-developed topology design
- Multi-button touch interface
- Standard 10-year warranty, extensional 5 to 25 years
- Anti shadow function

Omnik Single Phase Inverter-3k/4k/5k-TL

Block Diagram

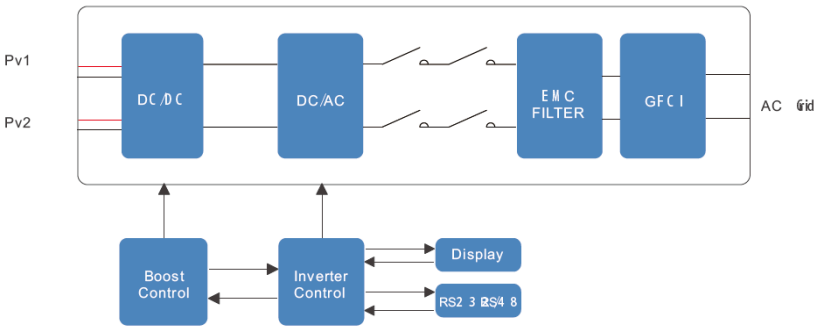


Features:

- Transformerless design, high efficiency (Max.97.6%,Euro.97.0%)
- Multi MPPT channels
- High MPPT accuracy(>99.9%)
- Wide DC input range(120-590Vdc), compatible with different module technologies
- Easy to wire, install and operate
- IP 65 design, suitable for indoor and outdoor installation
- 5 years warranty(10~25 years as option)

Omnik Single Phase Inverter-3k/4k/5k-TL2

Block Diagram

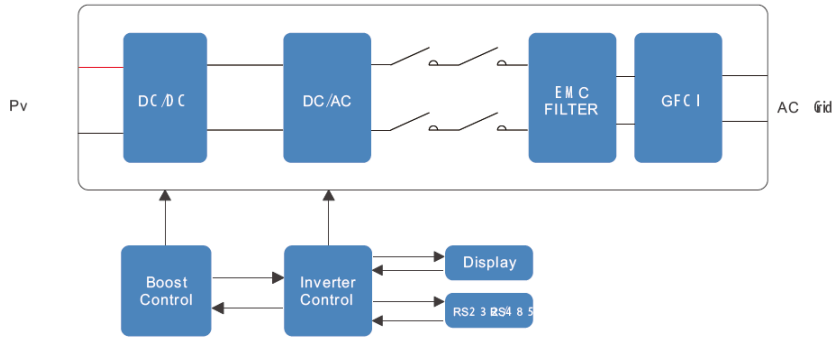


Features:

- Standard 10 years warranty,5-15 years optional
- Built-in GPRS and Wifi as option
- External Inductor
- Smaller and lighter, 3kW-TL2 weighs only 13kg
- High performance DSP for algorithm control
- high efficiency (Max.97.8%,Euro.97.3%)
- LCD screen visible at night
- Duo MPPT design
- Multi-button touch interface
- Anti shadow

Omnik Single Phase Inverter-2.5k/3k-TL2-S

Block Diagram

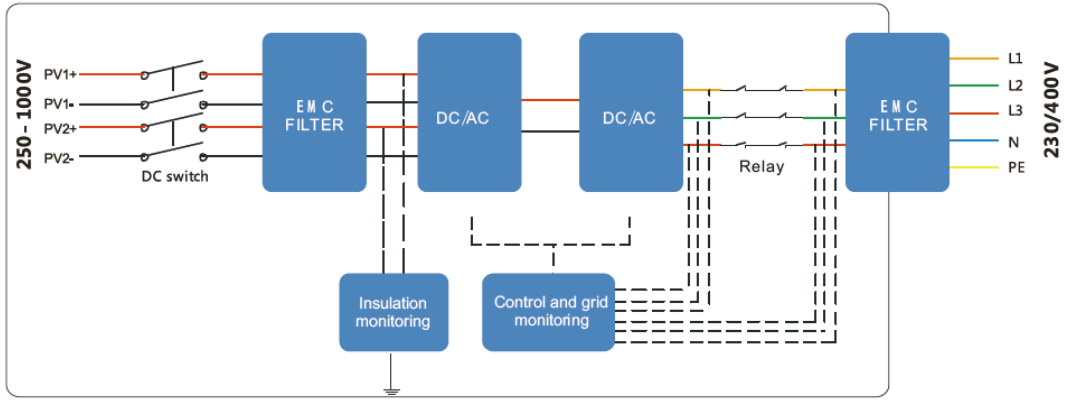


Features:

- Built-in GPRS as option
- Built-in Wifi as option
- External inductor
- Smaller and lighter, only 9.9 kg
- High performance DSP for algorithm control
- VDE-AR-N 4105 certification
- Self-developed topology design
- Multi-button touch interface
- Standard 10-year warranty, 5 to 25 years as option
- Anti shadow function

Omnik Three Phase Inverter-6k/8k-TL2

Block Diagram

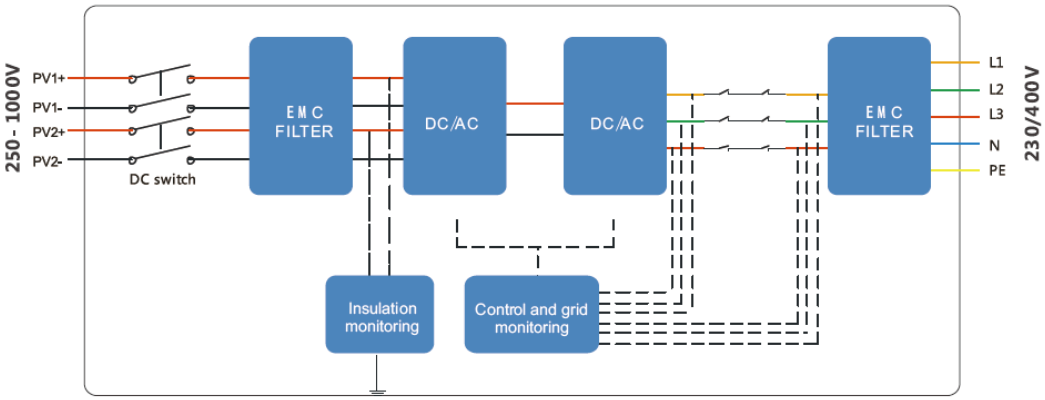


Features:

- Built-in GPRS as option
- Built-in Wifi as option
- External inductor
- Smaller and lighter, only 25kg
- High performance DSP for algorithm control
- VDE-AR-N 4105 certification
- Duo MPPT design
- Protection Rate IP65
- Multi-button touch interface
- Standard 10-year warranty, 5 to 25 years as option
- Anti shadow function

Omnik Three Phase Inverter-13k/15k/17k/20k-TL2

Block Diagram



Features:

- Both economical and high efficiency
- Smaller and lighter, 20kW only 44.5kg
- External Inductor, exquisite design
- LCD screen with four buttons
- Ethernet Wifi or GPRS cascade data communication technology
- User, distributor, Omnik headquarter all-round remote control
- Meet VDE-AR-N4105, BDEW approval
- Built-in lightning protection module as an option
- Anti Shadow function

Omnik Hybrid Inverter-3k-TL2

The brand-new Omnikhyd-3k-TL2 has 98.3% conversion efficiency; integrated battery charge, energy storage and solar conversion functions , automatically on grid/ off grid mode adjusting, The intelligent logic optimally routes the power from PV either to the load, the battery or the grid. Perfect battery charge curve and protection design is compatible with Lead-Acid, Gel or Li-Ion battery.

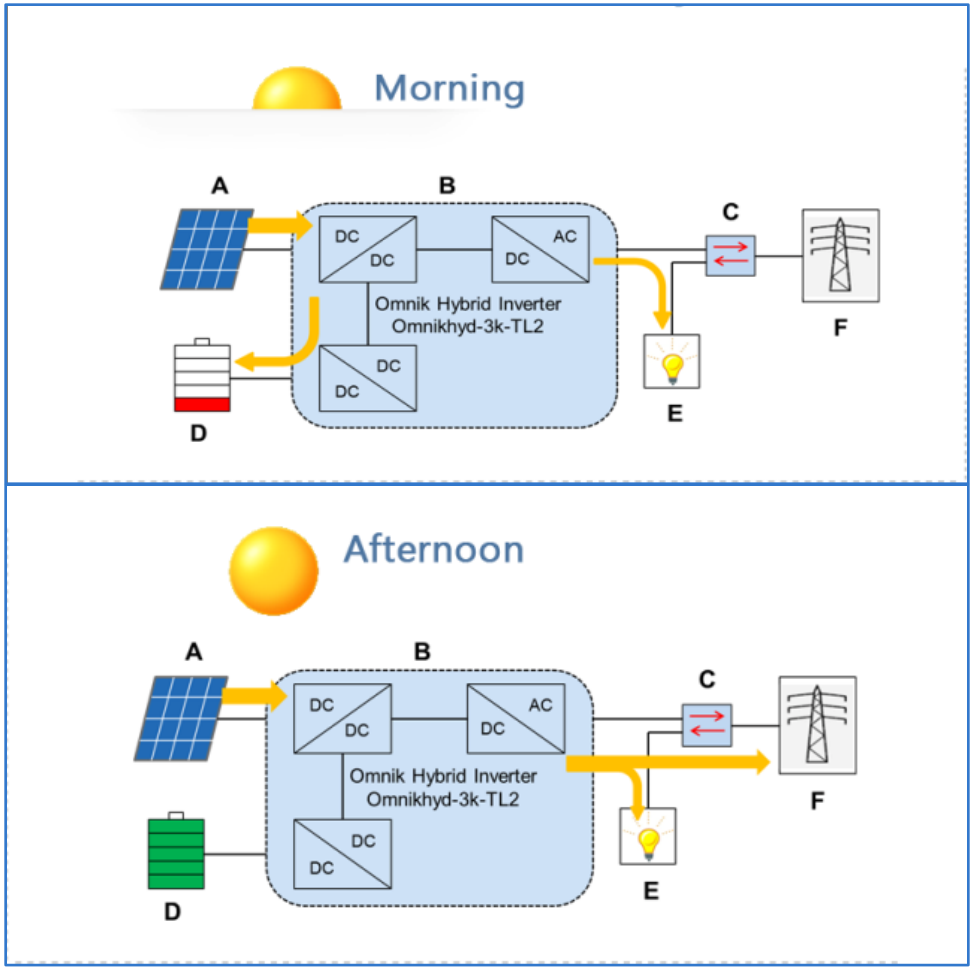
Features:

- Transformerless design high efficiency (Max.97.8%,Euro.97.3%)
- Wide DC input range(250-450Vdc), Compatible with the various types of modules
- Easy to wire and Install
- IP 65 protection, waterproof and dustproof
- Standard 7 years warranty, 5 to 25 years as option
- Anti Shadow function

Omnik Hybrid Inverter-3k-TL2

Morning: PV generated energy is used first and foremost to optimize your own consumption. Any surplus energy is used to charge batteries.

Afternoon: When the batteries are fully charged, the system provides energy for your own consumption and any surplus is fed into the public grid.



A: Solar Modules B: Hybrid Inverter C: Bidirection Smart Electricity Ammeter D: Enery Storage Bettery E: Household F: Public Grid

Omnik Micro inverter-M248

Omnikesol-M248 Features:

- 25 years designed lifetime
- Long lifetime and increased reliability
- Maximized energy harvest
- Reduced power loss with shade, dust and debris
- Simple design, with Plug and Play chain installation
- Improved safety with no high voltage hazards
- Constant remote monitoring at PV module level

Omniksol-M248

Microkit Features

- Over/under voltage protection
- Over/under frequency protection
- Leakage current detection
- DC injection detection
- Disconnection of grid by four relays.
- Web-based online monitoring per-module
- Expandable for large systems

Micro-Kit

Omnik Micro inverter-M500

Features:

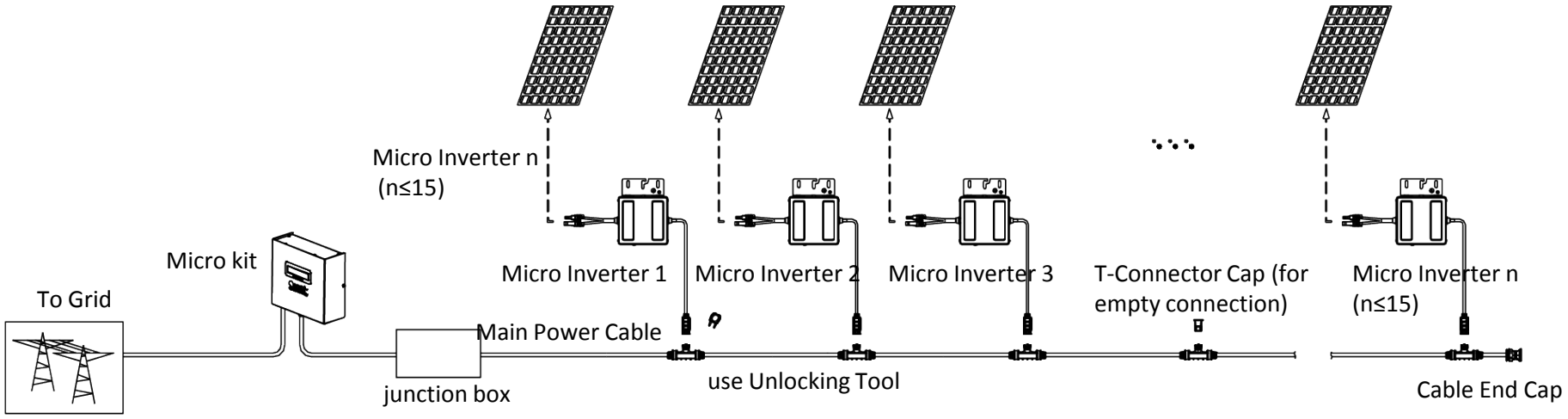
- High efficiency(Max.96.5%)
- Reduce the shadow influence, improve the generating capacity of the whole plant
- AC/DC high frequency isolation technology
- Maximum connect 8 sets Micro-inverters
- Adopt electric power carrier communication
- Easy design, Plug-and-play chain installation
- Remote monitor to each module
- 15 years standard warranty

Omniksol-M500

Omnik Micro inverter

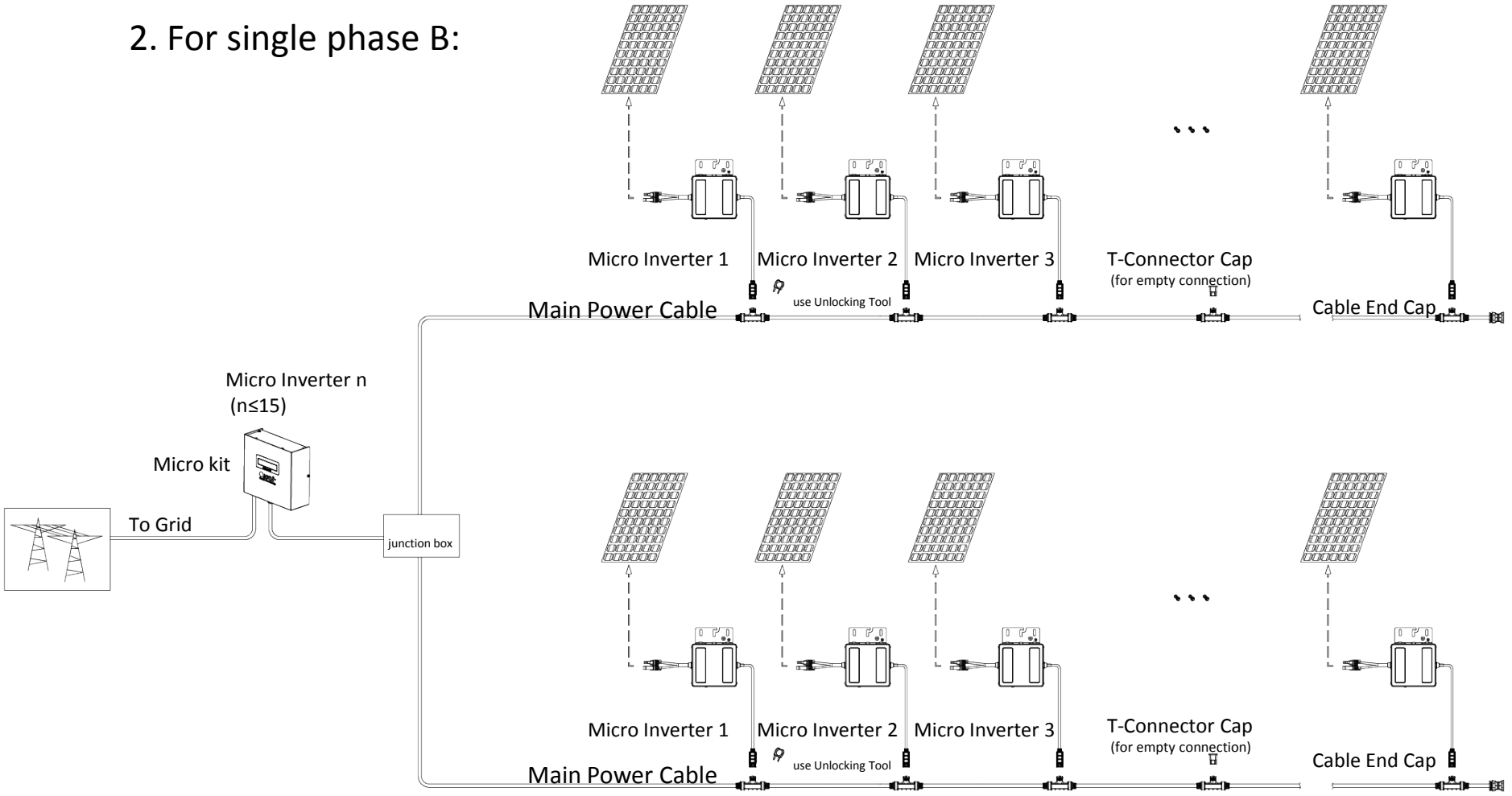
Appendix：

1. For single phase A:



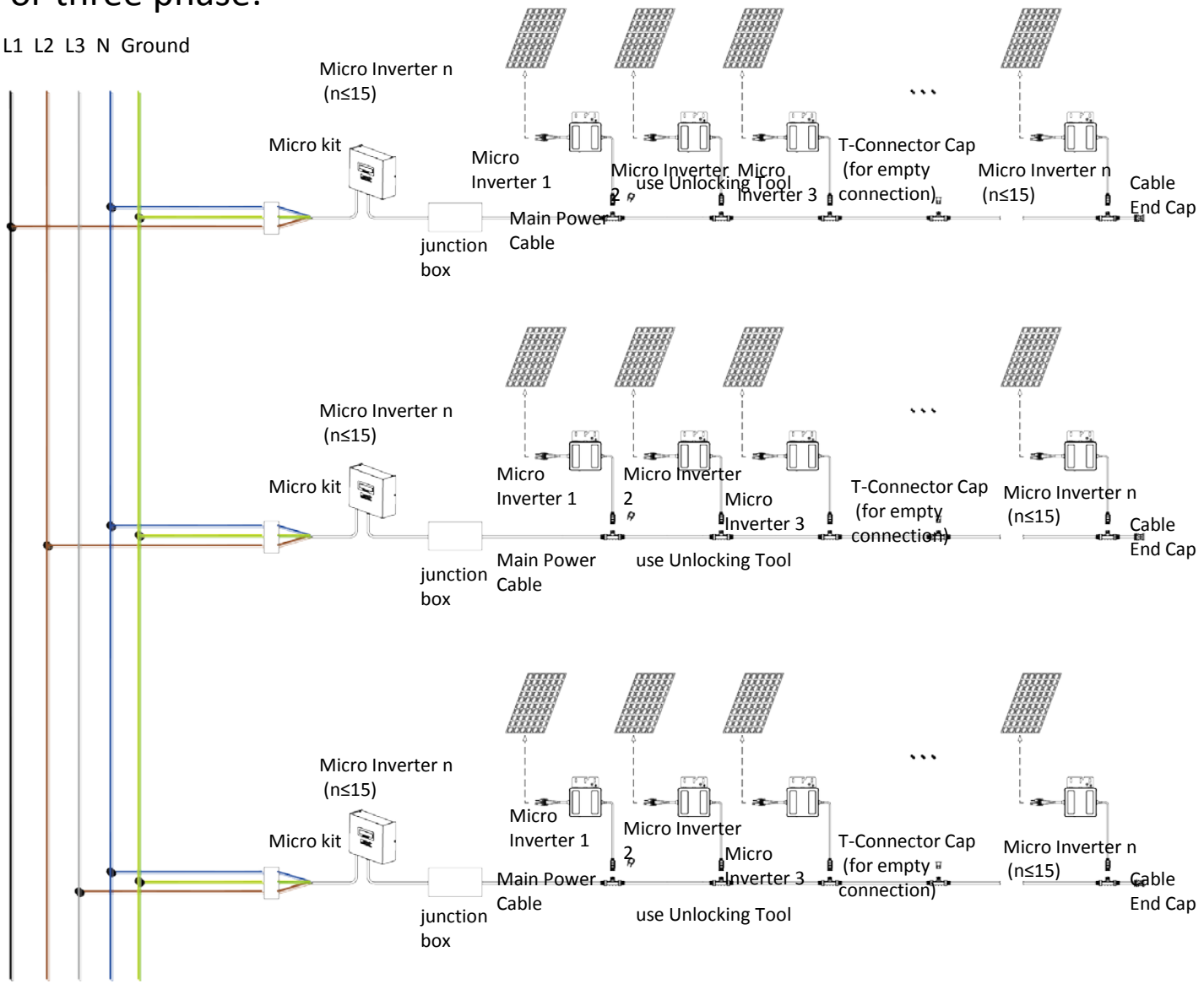
Omnik Micro inverter

2. For single phase B:



Omnik Micro inverter

3. For three phase:



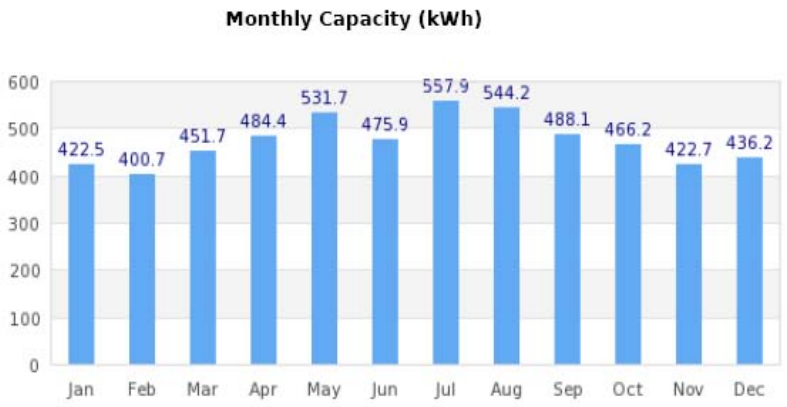
Solar Design

Features :

- 1. Database with meteorological data of power station location
- 2. Database with PV module data of different manufacture
- 3 .Database with product data of all Omnik inverters
- 4. Running via Web Browser, independent of operating system

Web : http://www.omniksolar.com/solardesign

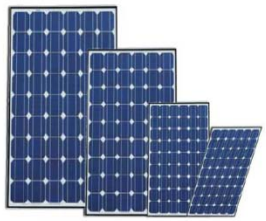
Monthly over view of Generate electricity



Solar Design

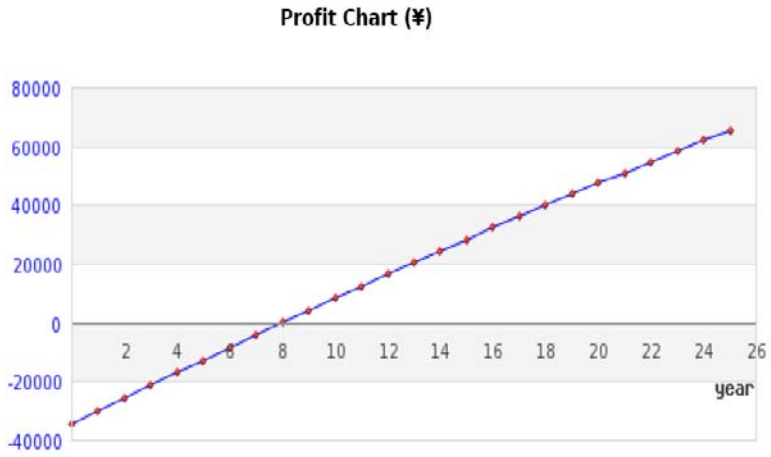
Modules

CanadianSolar - CS 6P-230



Material :	poly	
MPP Voltage :	30	V
Module Area :	2	m²
MPP Current :	8	A
Peak Power :	240	W
Open Circuit Voltage :	37	V
Efficiency :	14.92	%
Short Circuit Current :	9	A
Allowed Voltage :	1,000	V

Accurate ROI calculate



Solar Design on PC

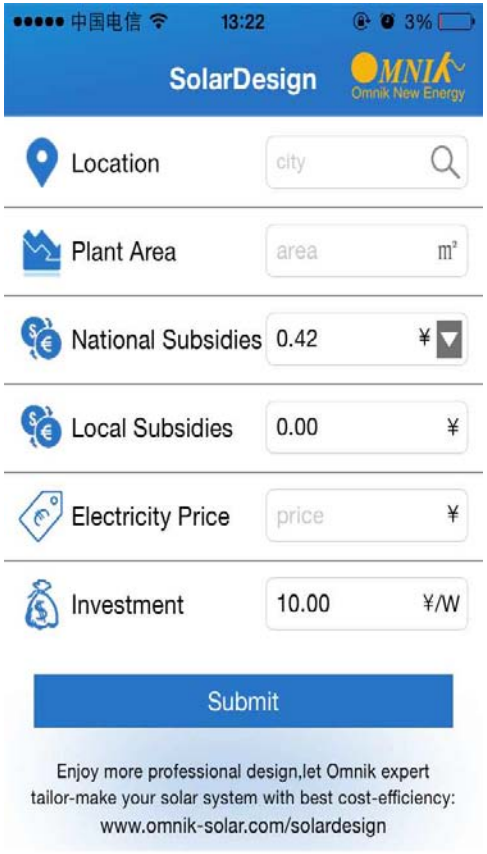
Advantage

1. Free installation, run in the internet, information save easily;
2. Multi platform, run in Apple, windows, linux systems;
3. Data update fast;
4. Date easy to print and export.

APP Solar Design

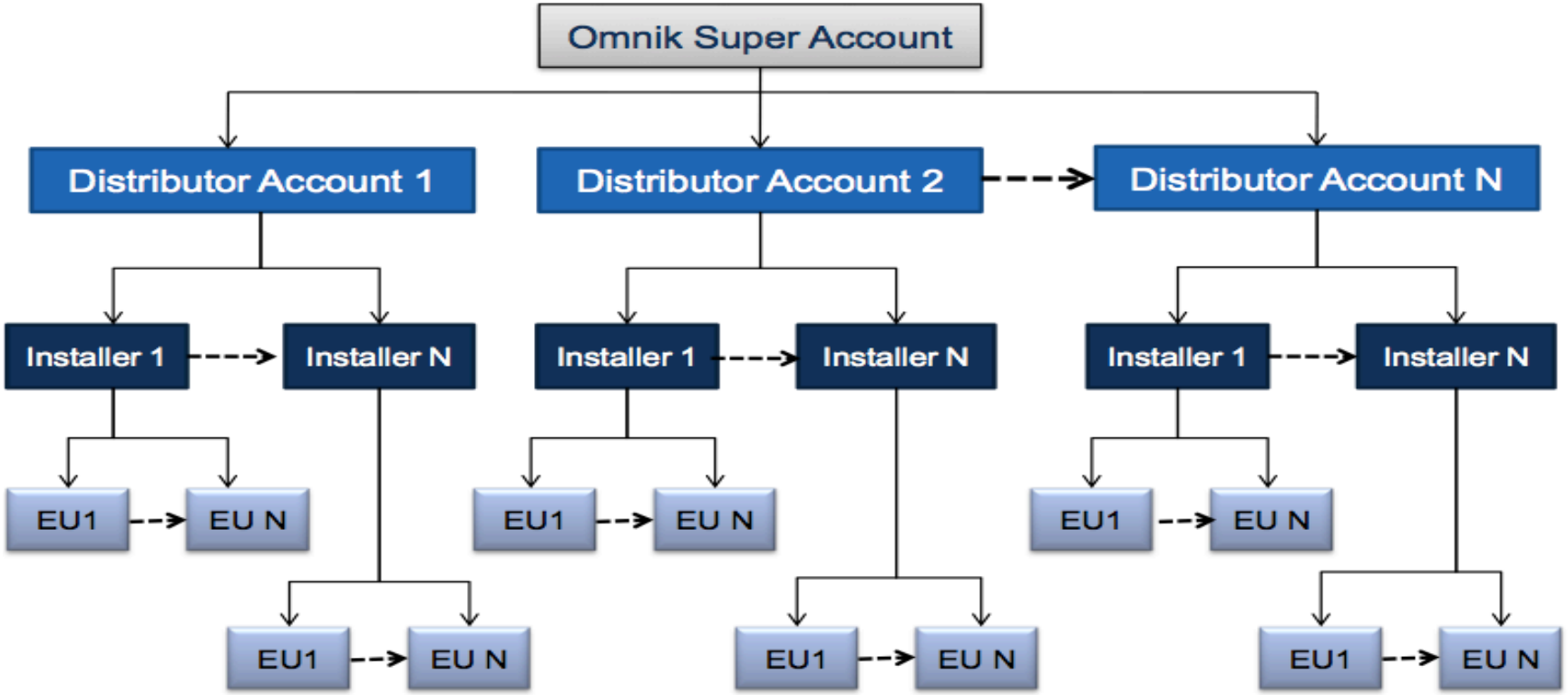
- Easy to apply
- Fast design
- Convenient

  User interface



Monitoring-at four level

➢ Multi-Monitoring Structure



Super account → Work status of all the inverters (incl. Distributor , Installer , End user)

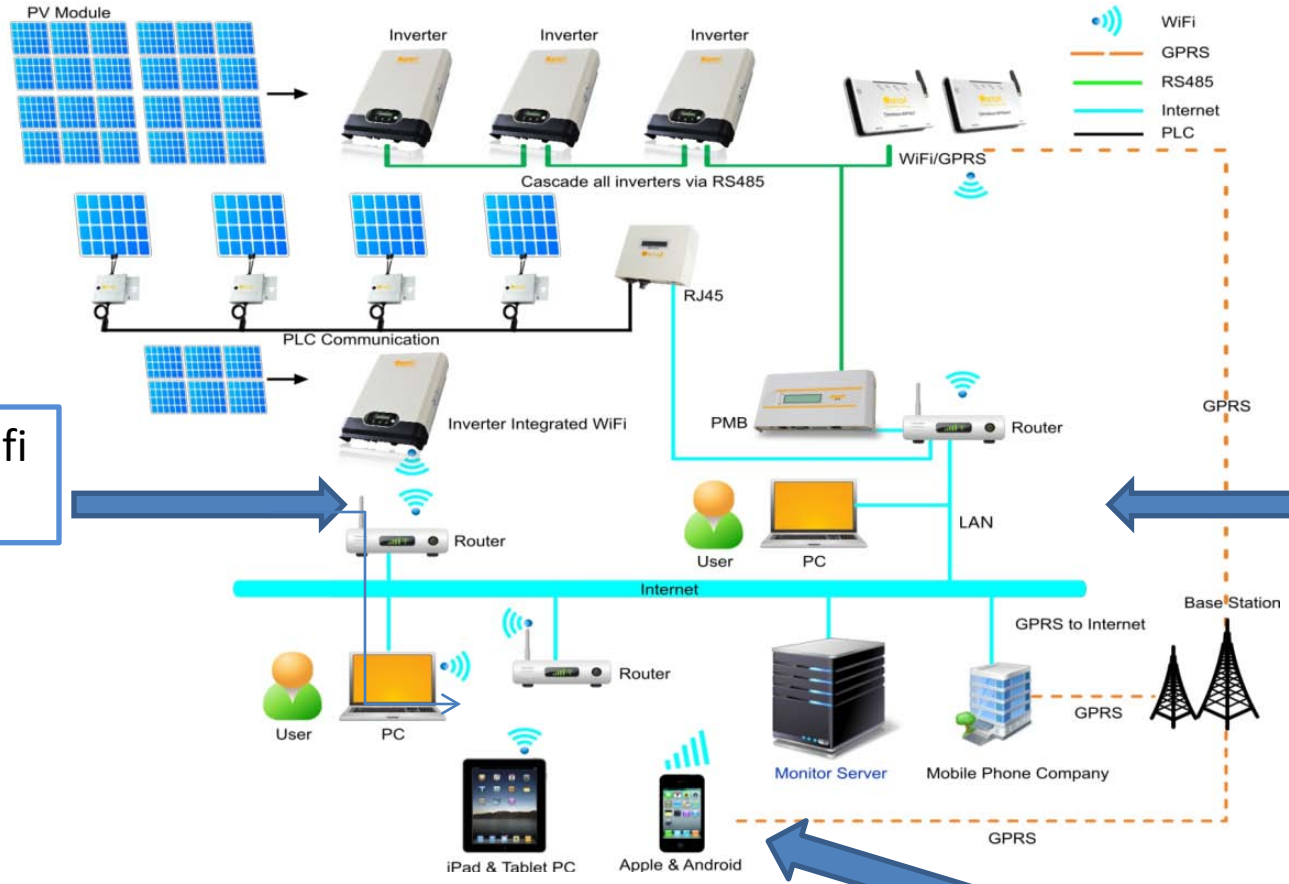
Distributor account → Work status of the Inverters from distributors

Installer account → Work status of the Inverters from Installers

End user account → End user watch the work status of his own

Monitoring system

Omnik Monitoring System



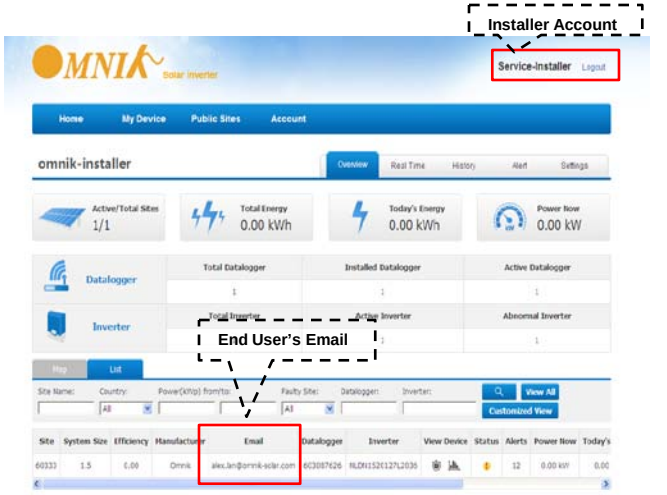
Launched the world ‘s first built-in integrated Wifi and GPRS inverter

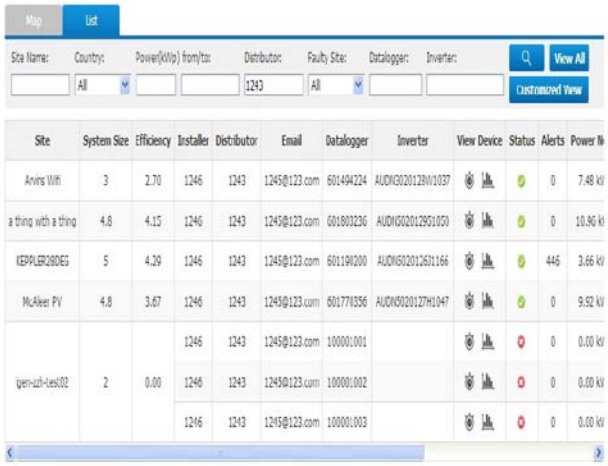
Monitoring Software

Including the PC version and APP

Advantages:

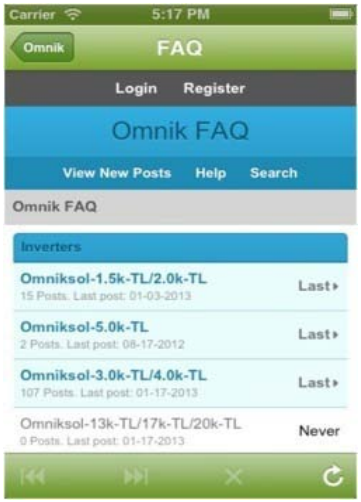
- Customer ease of use
- Comprehensive feedback
- Record real-time and historical alarm information
- Sends power station abnormality information automatically
- Integrated Google Maps





Solar View

- Online Omnik news
- Product introductions
- Normal questions
- Warranty checking
- Some other online service issues



Important Links

- Omnik website
  http://www.omnik-solar.com/
- Solar Design
  http://www.omnik-solar.com/solardesign
- Omnik Portal
  http://www.omnikportal.com/LoginPage.aspx
- Omnik FAQ
  http://www.omnik-solar.com/faq/index.php

OMNIK
Omnik New Energy

Omnik New Energy Co.,Ltd.

Add : XingHu Rd. Nr. 218 bioBAY Park A4-414
Hotline : +86 400 999 0892
Tel : +86 512 6956 8216
Fax : +86 512 6295 6682
E-mail : sales@omnik-solar.com
Website : www.omniksolar.com