

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



· Omnik Products

- Products Overview
- Added-value
- Competitors Diagnosis

· Omnik Sales Achievements

· Omnik Quality Control

· Omnik Product Development

Products Overview

- **Micro Inverter**

Omniksol-M300/M600

- **Single Phase Inverter**

2nd Single Phase Inverter

Omniksol-1/1.5/2/2.5/3/4/5K-TL2

- **Three Phases Inverter**

2nd Three Phase Inverter

Omniksol-6/8/10/12/13/15/17/20K-TL2

- **Monitor Device**

GPRS/WIFI-Card



GPRS/WIFI-KIT



PMB



Micro-KIT



25 years lifetime!



DC voltage < 50V
Built-in Relay: Higher safety
install & maintain: no safety risk
fire hazard: No DC high voltage risk



Lifetime

Safety

Harvest

Simple

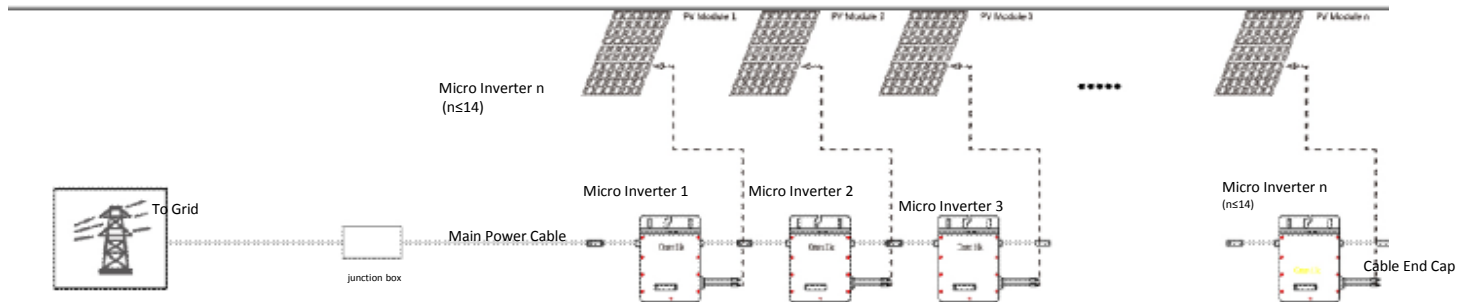
- Better harvest: 1 MPPT for 1 panel
MPPT Algorithm: 3%-10%
- Resilient to dust, debris & shading
Dust and Shading: 5%-25%
- Each works independently
Panel Mismatch: 3%-5%



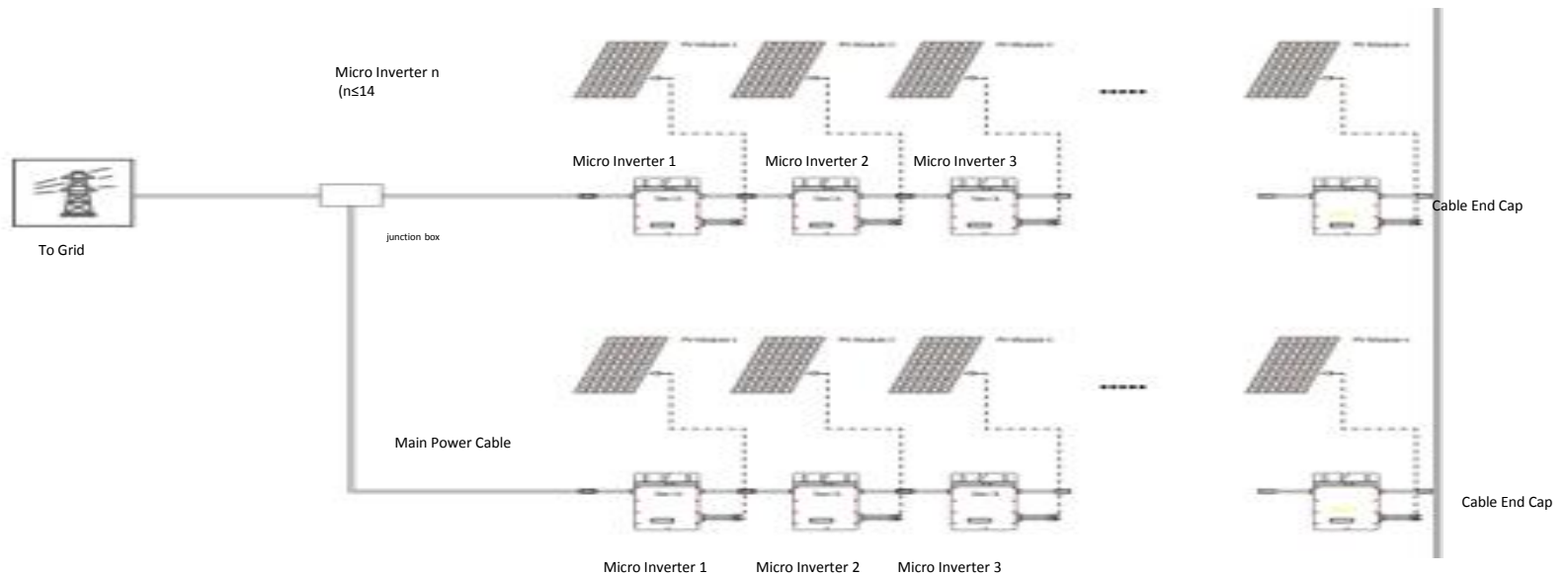
- Simple matching calculation :
Plug and play with AC Bus Cable
- Good heat dissipation: Designed
gap for being packed with panel



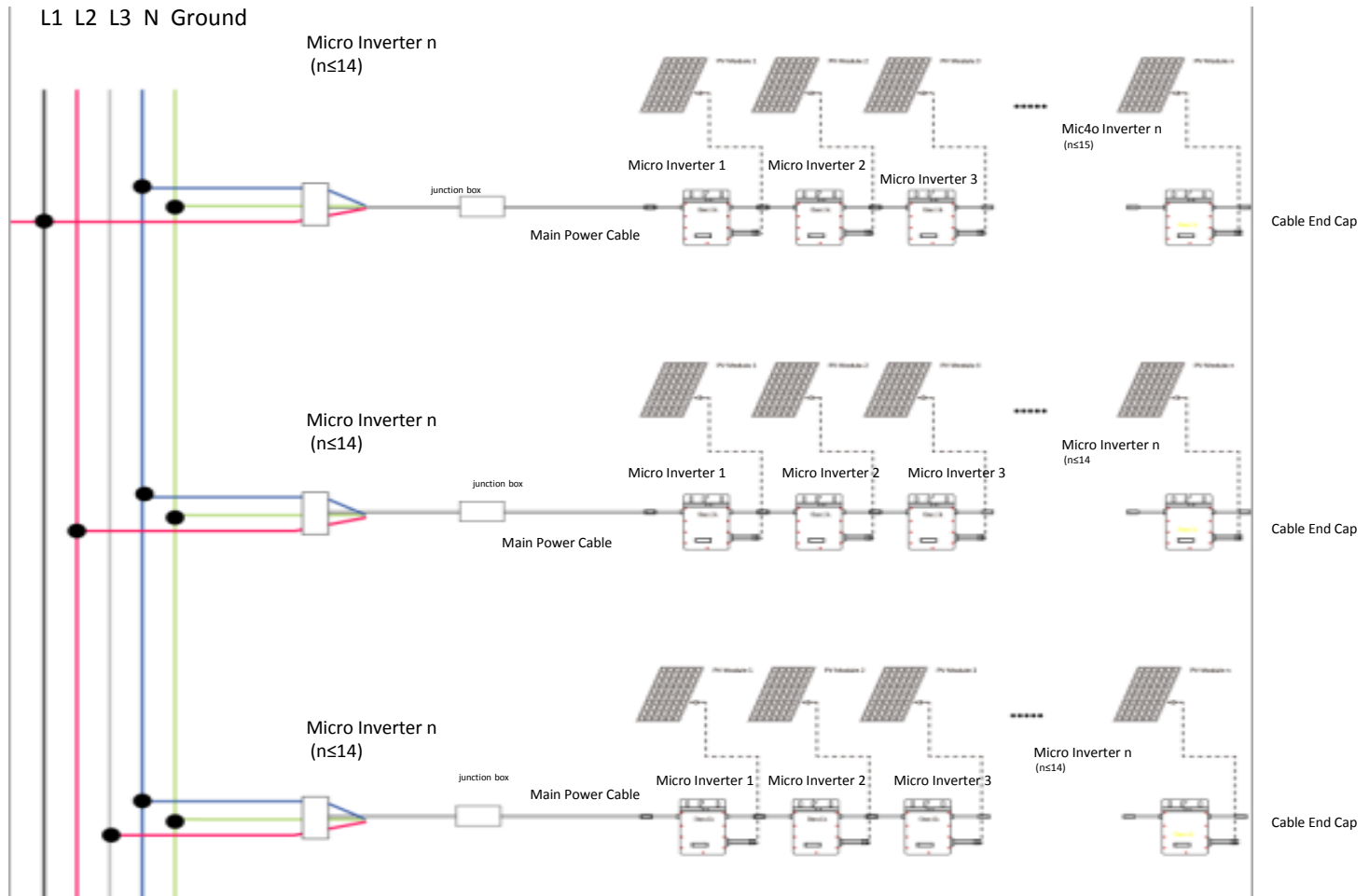
1. For single phase A:



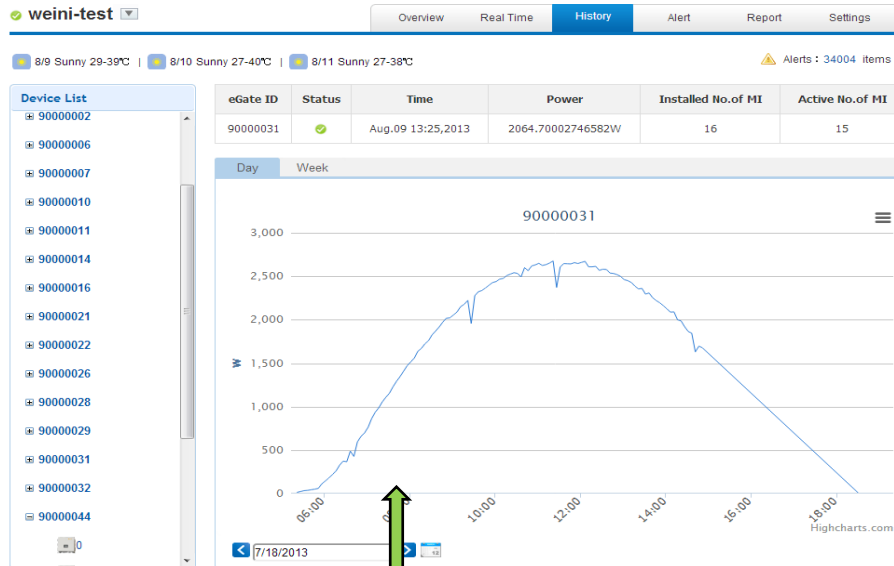
2. For single phase B:



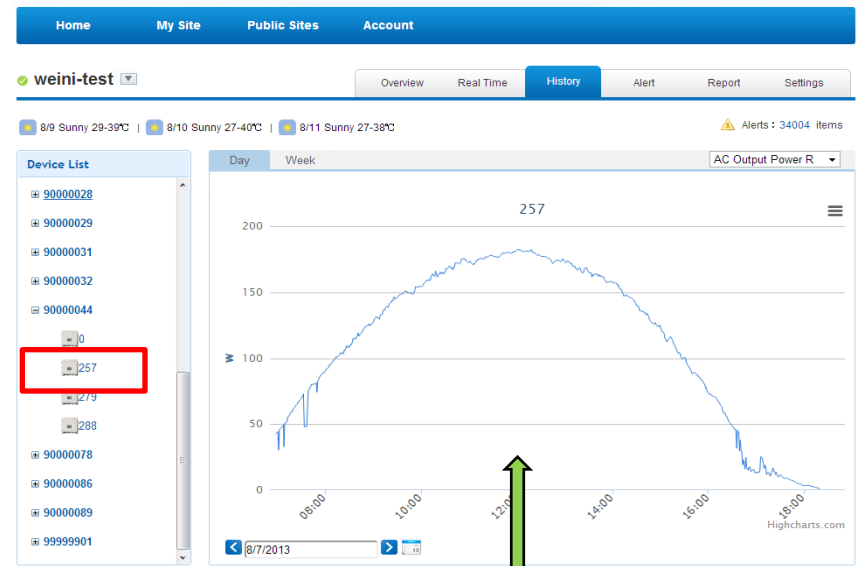
3. For three phase:



Monitoring each panel!



System energy harvest



Energy harvest for each Micro Inverter

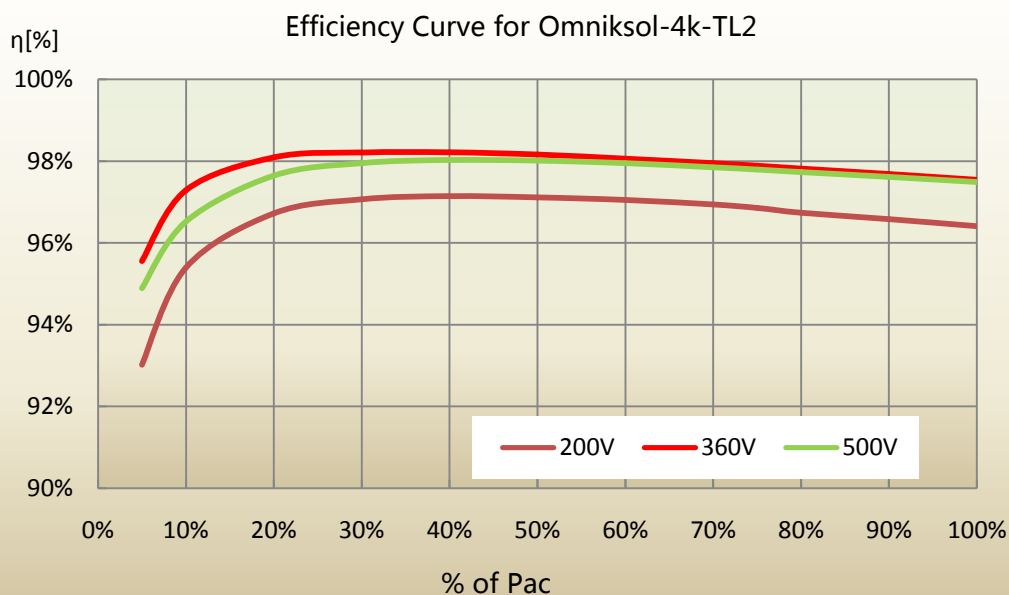
Omniksol-TL2 Pioneer video: <http://www.youtube.com/watch?v=Kg0n-3zEs24>

Omniksol-1k/1.5k/2k/2.5k/3k/4k/5k-TL2

Design for 10 years !



Noiseless Design



Max. efficiency: 98.2%, EU efficiency:97.5%



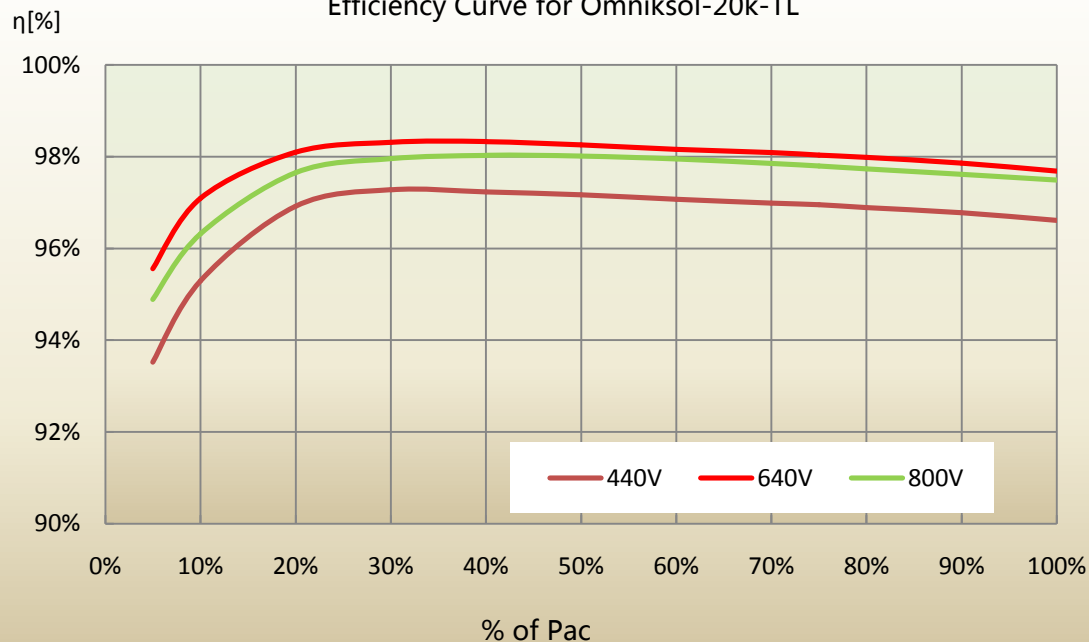
TI MS320F28035
with high speed & accuracy

Omniksol-6k/8k/10k/12k/13k/17k/20k-TL

Design for 10 years !

Noise Control & wider MPPT

Efficiency Curve for Omniksol-20k-TL



Max. efficiency: 98.2%, EU efficiency: 98.0%



800*400 TFT Display

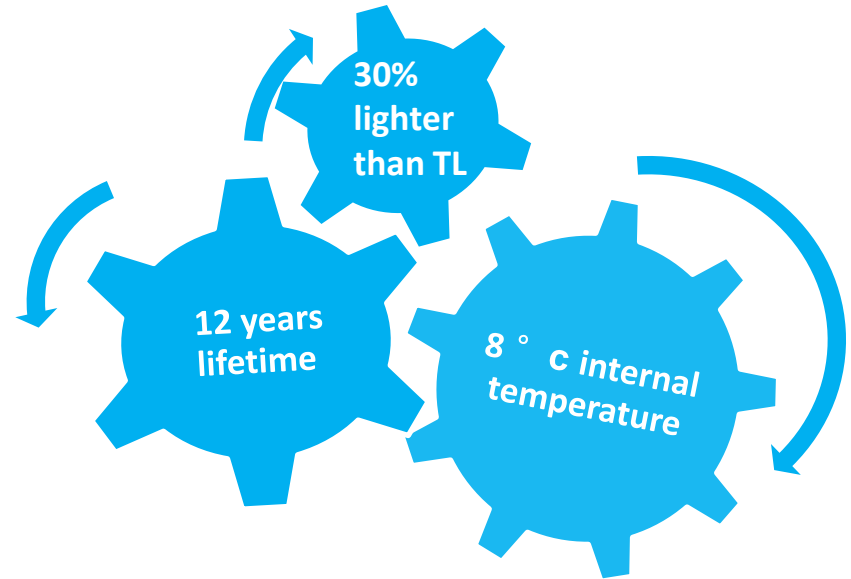


DC Switch

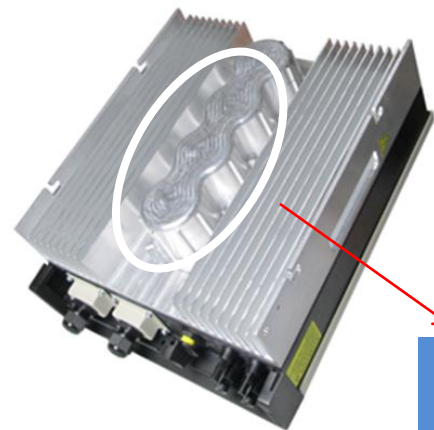
Products Overview - TL2 Series



Built-in
WiFi / GPRS Card



New topology creates
higher efficiency up to
98.2%



External Inductor for
better heat dissipation

- DSP Algorithmic Control
- Active and reactive power adjustable
- Dual power supply, 24-hour real time monitoring, low power consumption
- Powerful software algorithms lower the noise
- external inductance for better cooling system
- Lower starting power
- Lighter, smaller, higher efficiency
- Touch Button Input for better waterproof
- Build-in USB interface for easier monitoring & updating

TL2 Series



TL1 Series



VS

• Added Value

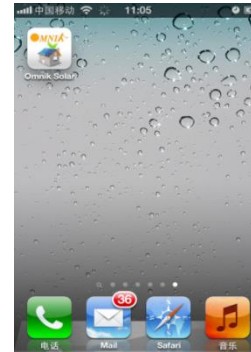
- Monitoring System
- Systemic On-line Service
- Solar Design Program
- Insurance by PingAn & Solarif

Free-charge monitoring system

WiFi, GPRS, RS485 and PLC for data communication

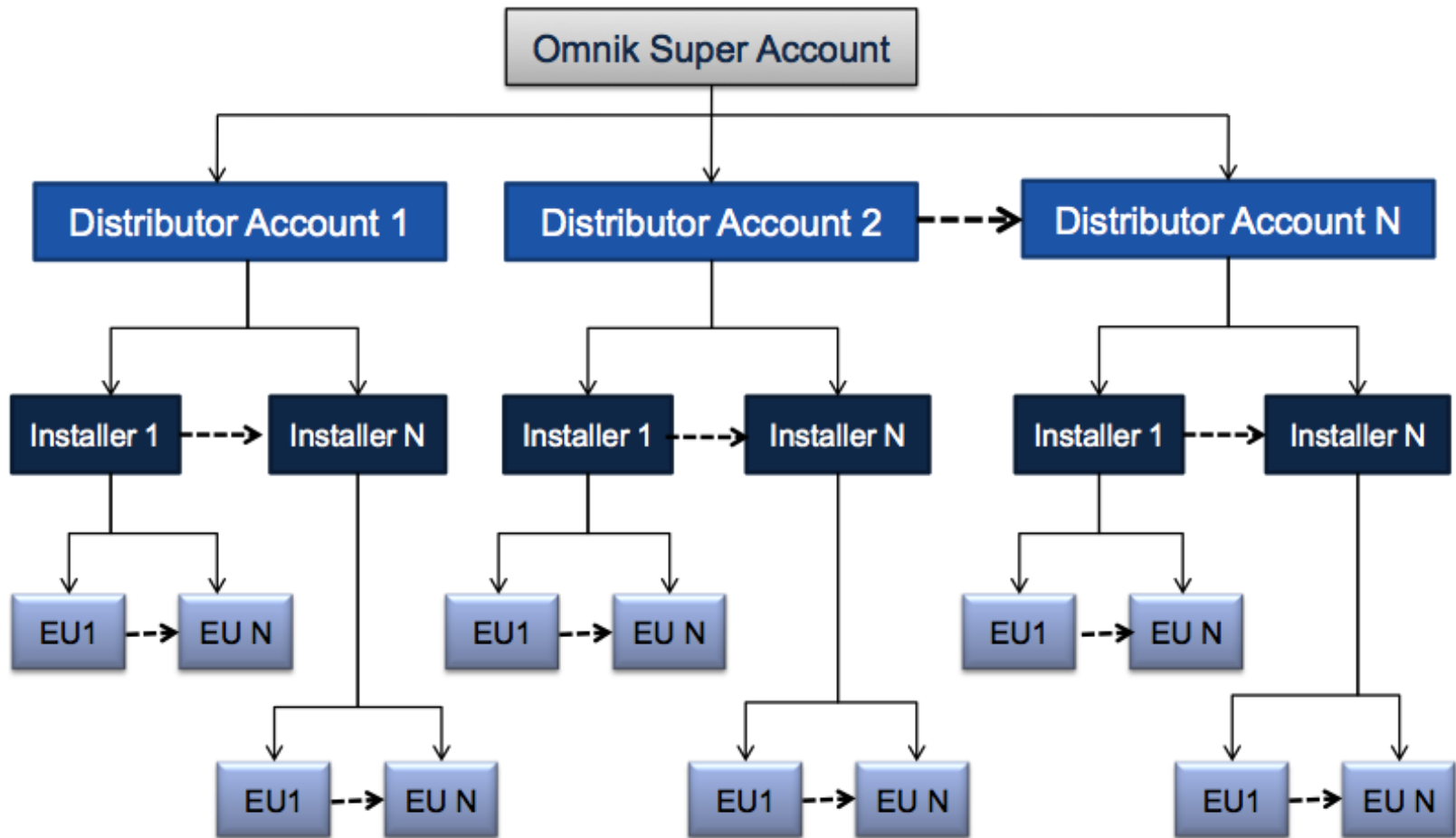
PC, IOS and Android system are available

Monitoring system can be programmed



➤ Multi-Monitoring Structure

Four level monitoring structure!



Omnik Monitoring system



Wire, wireless, and off-line monitoring all possible to realize

Find Omnik solar system everywhere

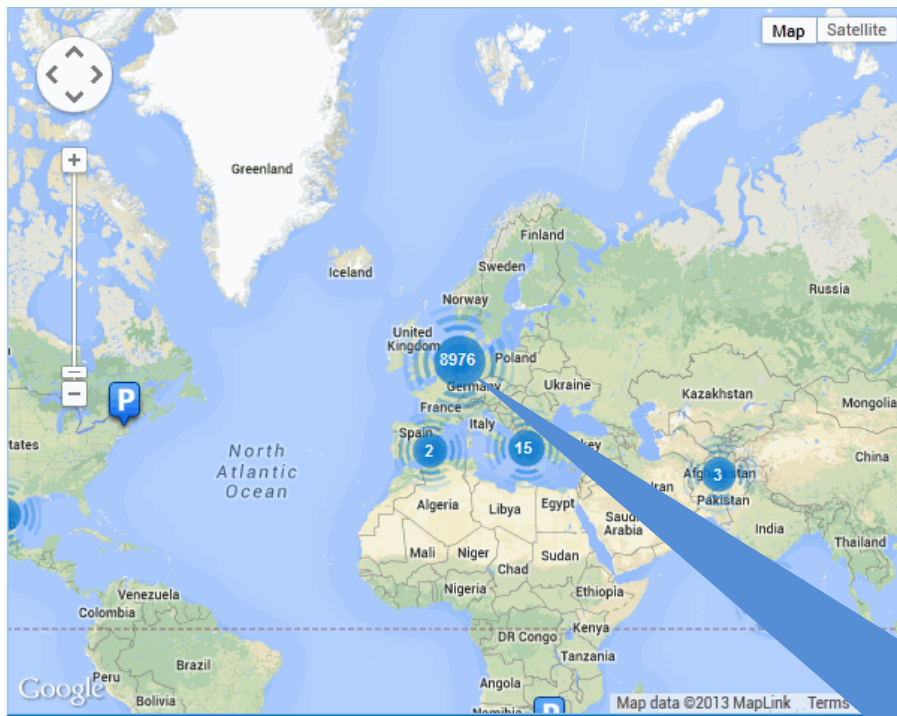
Online-monitoring System quantity

37000

Online-monitoring System capacity

298MWp

Monitoring account: <http://www.omnikportal.com>



Omnik solar systems all over the world

Free Solar Design

Feel too difficult to explain the solar to the end-users?

Don't have a software to calculate the harvest in a minute?

Go to Omnik Solar Design website or download apps

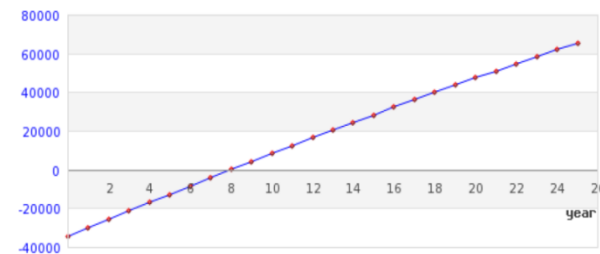
Omnik Solar Design helps you to design your own solar system in a minute!



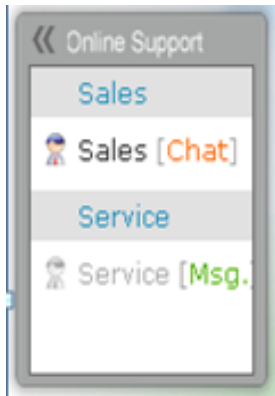
Allowed Voltage :	1'000	V
Short Circuit Current :	8	A
Efficiency :	17.25	%
Open Circuit Voltage :	31	V
Peak Power :	540	W
MPPT Current :	8	A
Module Area :	5	m ²
MPPT Voltage :	30	V
Material :	poly	

Model: 03E-92 - 2 - 10201000

Profit Chart (¥)



Solar system design program: <http://www.omnik-solar.com/solardesign>



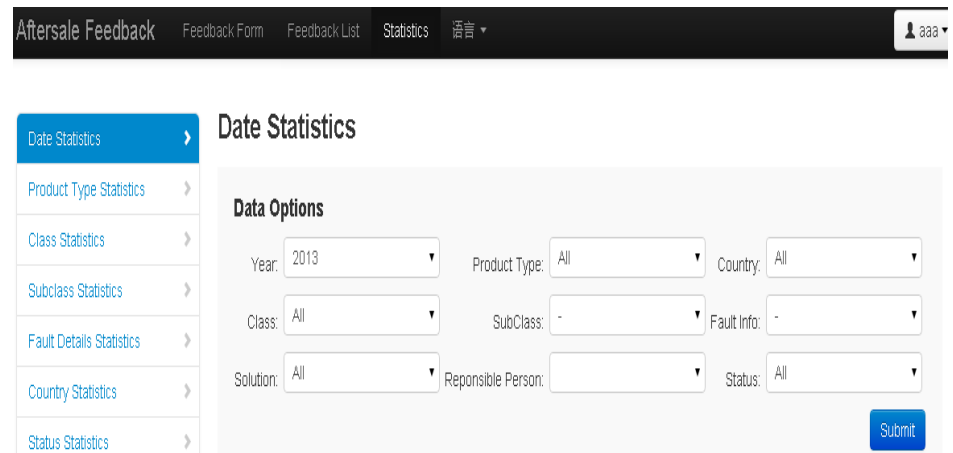
Talk to After-sale team on line

Report and check the faulty on line

Failure rate data available



Omnik is committed to giving solution within 12 hours, and solving the problem within 24 hours.



Aftersale Feedback Feedback Form Feedback List Statistics 语言

Date Statistics

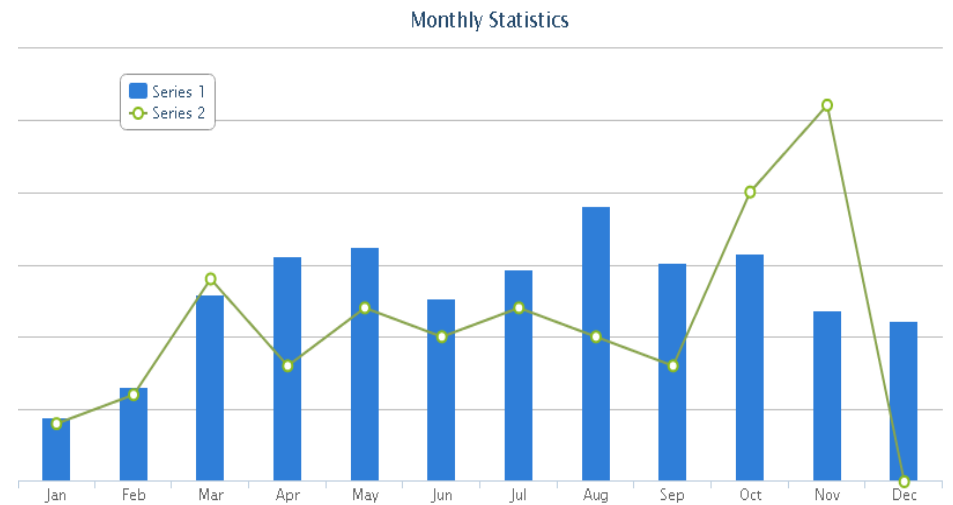
Data Options

Year: 2013 Product Type: All Country: All

Class: All SubClass: - Fault Info: -

Solution: All Responsible Person: Status: All

Submit




Chinese biggest insurance company insures reliability and personal safety



on project level against damages arising from or caused by an inherent defect





Omnik VS Power-One

Specification	Omniksol-M300	MICRO-0.25-I-OUTD
Appearance		
Communication	Maximum efficiency 96.7%, CEC efficiency is 96.5%	Maximum 96.0%, CEC efficiency is 95.5%
Structure	IP67	IP65 without Epoxy potting
Electric protection	Built-in Relay	Without Relay

Omnik VS SMA VS Power One

Specification	Omniksol-4k-TL2	SB 400TL-21	PVI-4.2-TL-OUTD
Appearance			
Efficiency	Max: 98.2% EU: 97.5%	Max: 97% EU: 96.4%	Max: 96.8% EU: 96.0%
Dimension	352x421x162.5 mm	490x519x185 mm	618x325x222 mm
Weight	16kg	26kg	17.5kg
Communication	Built-in WiFi, GPRS, RS485	RS485, Bluetooth	RS485, PVI-DESKTOP
Monitor Cost	Free	Not Free	Not Free
Structure	External inductor	Internal inductor	Internal inductor

Omnik VS SMA VS Power One

Specification	Omniksol-20k-TL2	STP 17000TL-10	TRIO-20.0-TL-OUTD
Appearance			
Efficiency	Max: 98.2% EU: 98.0%	Max: 98.2% EU: 97.8%	EU: 98.0%
Dimension	575x655x240 mm	665x680x265 mm	1061x702x292 mm
Weight	44.5kg	59kg	70kg
Communication	WiFi, GPRS, RS485	RS485, Bluetooth	RS485, PVI-DESKTOP
Monitor Cost	Free	Not Free	Not Free
Display	Colorful TFT Display	LCD graphic display	LCD graphic display

· Omnik Products

· Omnik Sales Achievements

- Omnik Production Capacity
- Omnik Sales & after-service Network
- Omnik Sales Achievements
- Omnik Market & Sales Percentage

· Omnik Quality Control

· Omnik Product Development

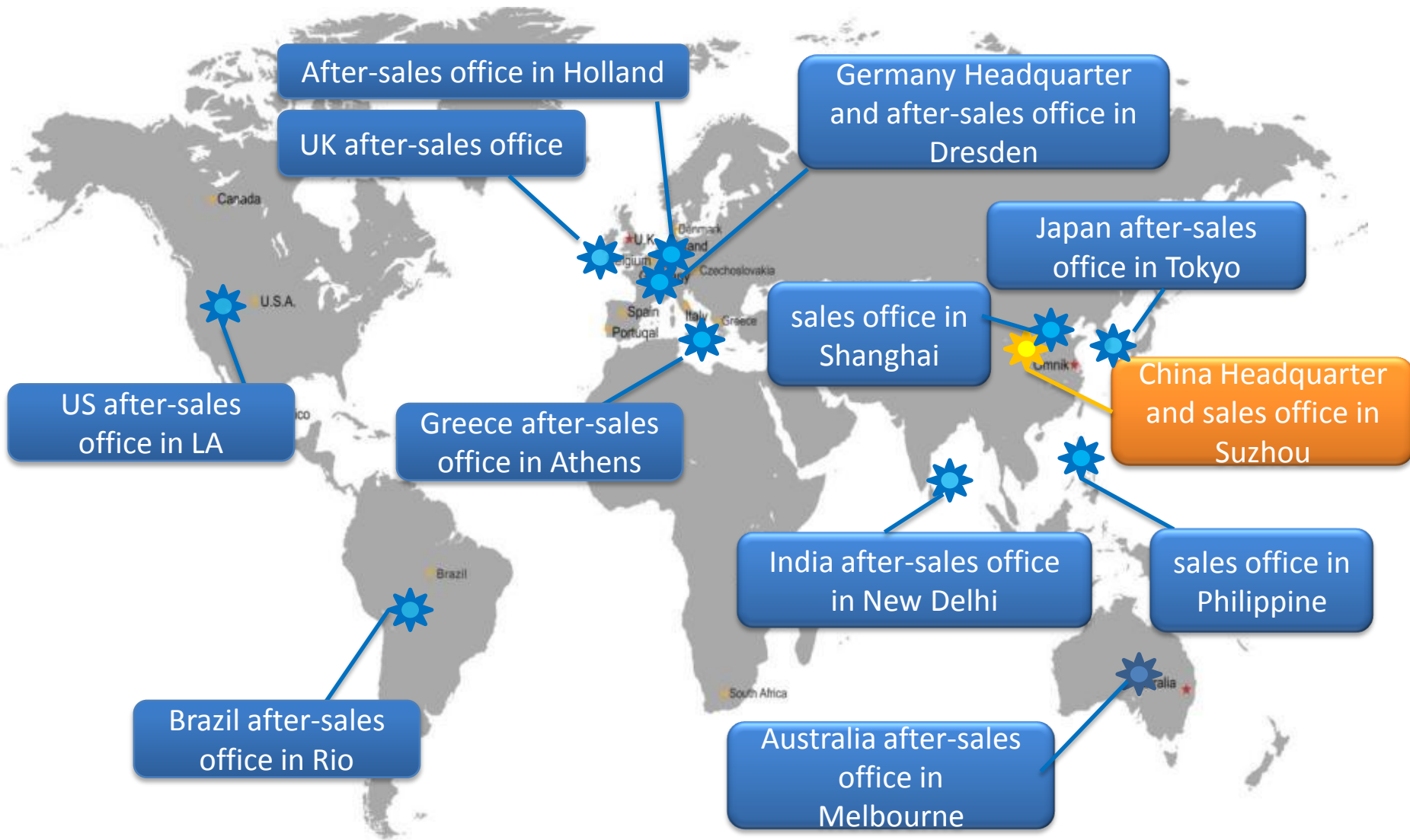
Production Capacity

Type	kW	Day (pcs)	Month	Year	Total (MW)
Omniksol-1k/1.5k/2k/3k/4k/5kW	4	750	26	11	858
Omniksol-13k/17k/20kW	17	65	26	11	316
Omniksol-M248	0.25	450	26	11	32.2
Total (Year)					App.1.2GW

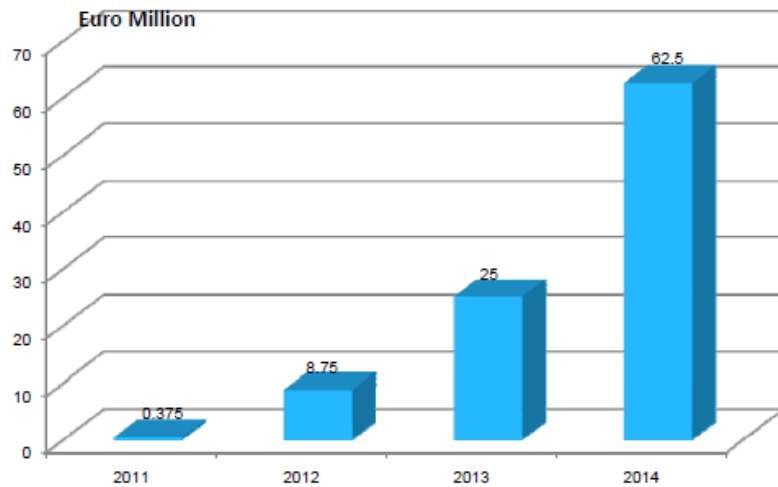
Type	Product Lines (pcs)	Area (m ²)	W/H (m ²)
Omniksol-1k/1.5k/2k/3k/4k/5kW	2	500	500
Omniksol-13k/17k/20kW	2	500	500
Omniksol-M248	2	300	500



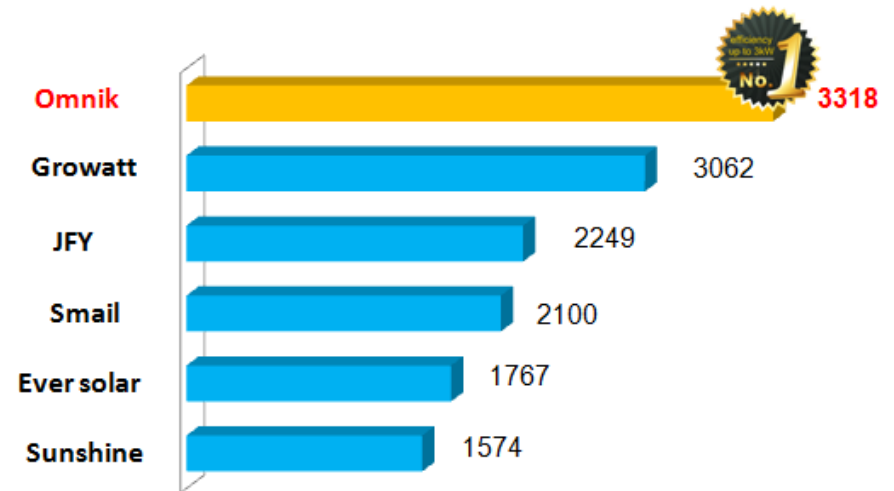
After Service Network



2013, Omnik's sales Revenue ranked Top3 among all the string inverter manufactures in china.



the sales volume in May 2013



According to customs data of May 2013, Omnik's export sales was No.1 in China!

Area	Single Phase	Hybrid	Three Phase	Micro Inverter	Total
Australia	88.89%	0.00%	10.92%	0.19%	100.00%
Europe	89.10%	0.05%	8.98%	1.87%	100.00%
Asia	65.68%	11.89%	21.83%	0.60%	100.00%
Middle East	67.60%	2.51%	16.65%	13.24%	100.00%
South America	68.33%	15.70%	15.02%	0.95%	100.00%
Total	75.92%	6.03%	14.68%	3.37%	100.00%

Main Market Share

Netherlands : 40% (Top 1 Supplier)

UK: 15% (Top 3 Supplier)

Asia: 20%

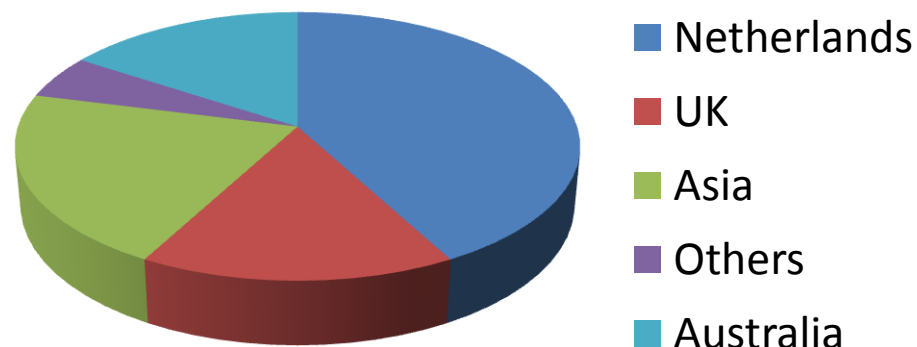
Australia: 20%

Others: 5%

market distribution

• Omnik inverter are mainly exported to Europe, in 2014 into the Australian market and 15% of the share, have good reputation in Europe and Australia. Now we will be in Asia Pacific and Middle East north and South America into a lot of energy.

• Single Phase inverter , accounting for 75.92% of total sales, focus on distribution system.



- Omnik Products

- Omnik Sales Achievements

- Omnik Quality Control

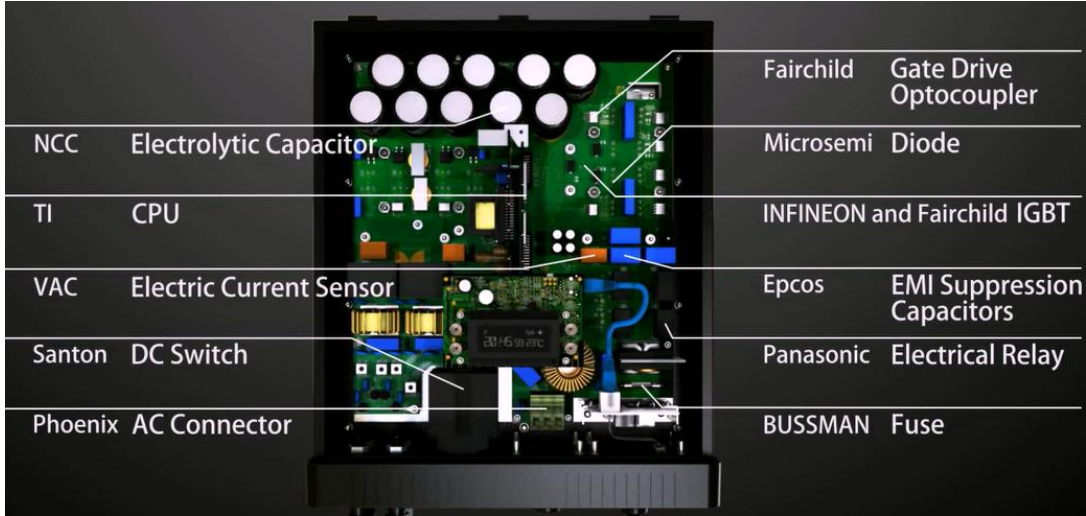
- Key components
- German quality control system
- Reliability
- Failure rate

- Omnik Product Development

Omnik use high quality components of world famous brand



High quality based on top-lever key components

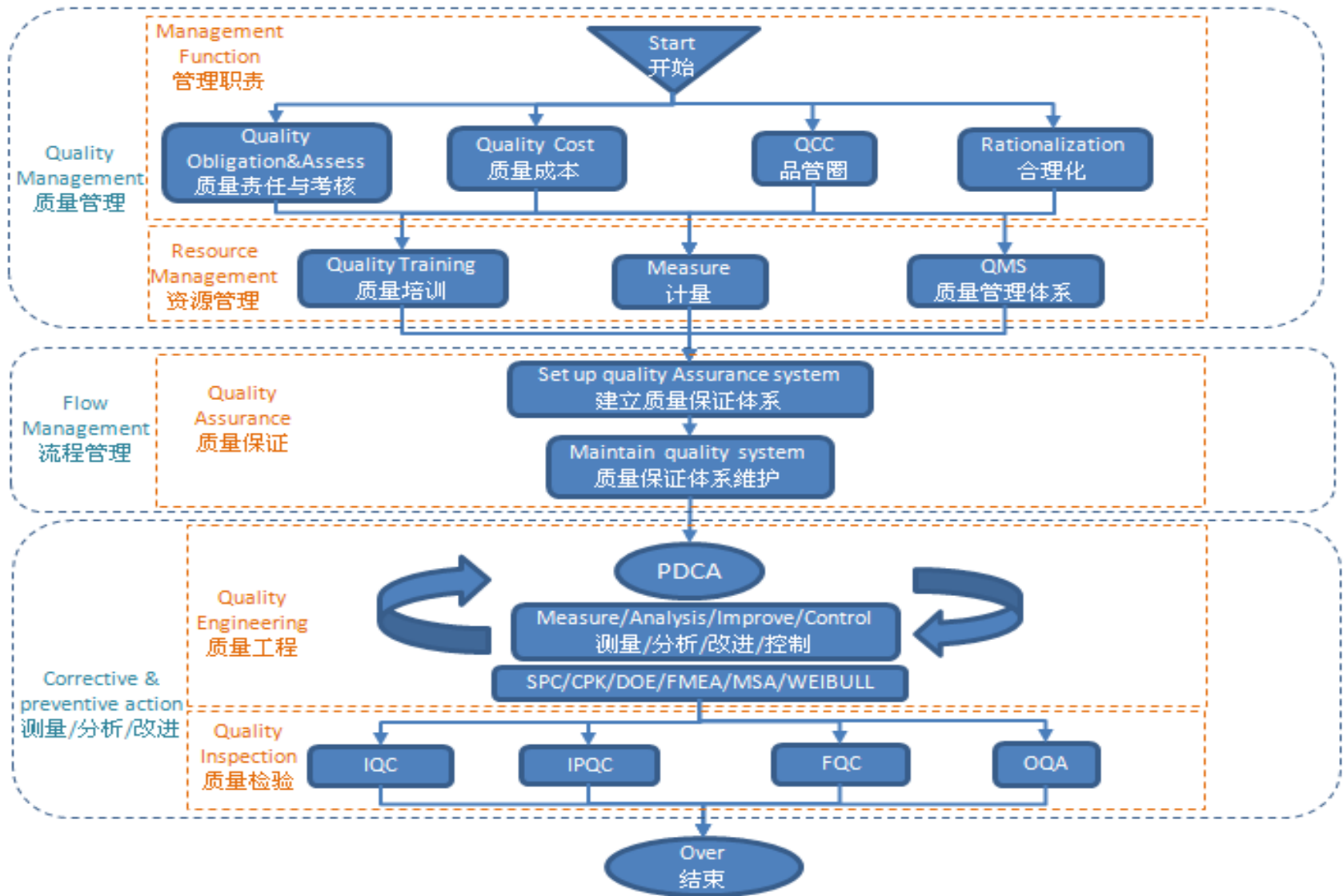


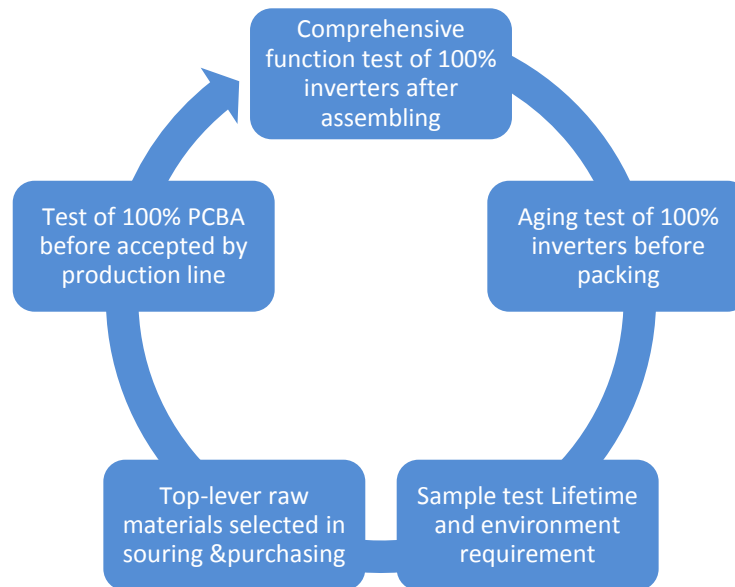
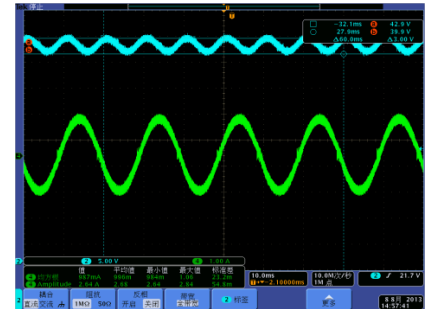
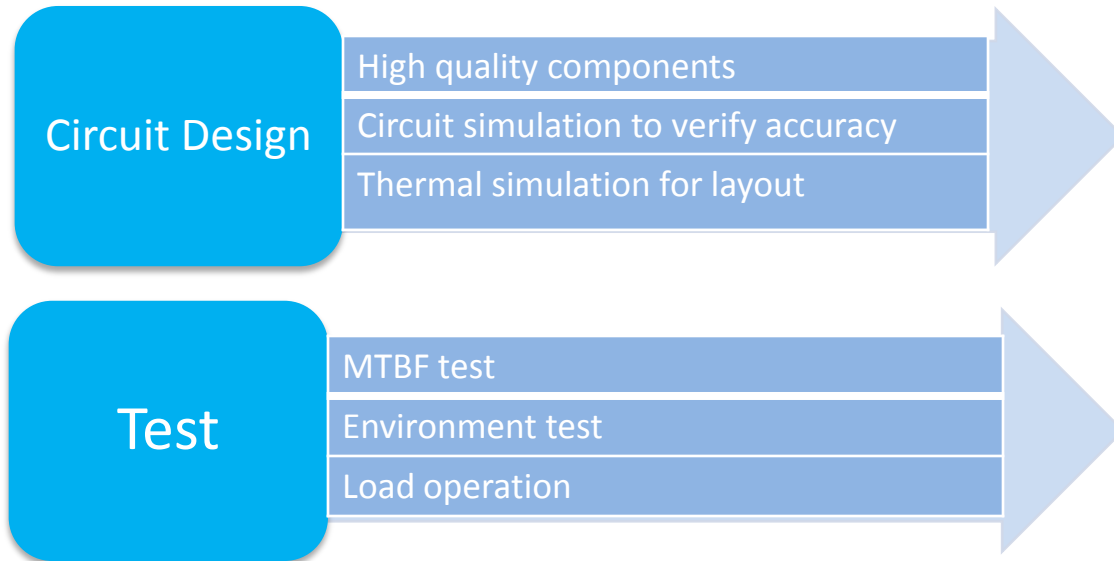
Omnik sticks to use these listed key components for each specific model and shall not substitute these parts with other unqualified components without customers' consent.

Omnik inverter key components list

NO	BRAND	NAME	MADE FROM	NO	BRAND	NAME	MADE FROM
1	TI	MCU	US	10	Plus	Transformer	US
2	FAIRCHILD	IGBT/ MOSFET	US	11	Fujitsu	RELAY	JAPAN
3	VAC	Current sensor/Core	GERMANY	12	WE	Connector	GERMANY
4	INFINEON	IGBT	GERMANY	13	CREE	Diode	US
5	NCC	Capacitor	JAPAN	14	LINEAR	IC	US
6	Littlefuse	Fuse	US	15	Kingbright	LED	TAIWAN
7	EPCOS	Film capacitors	GERMANY	16	MURATA	Chip capacitors	JAPAN
8	NXP	Diode	Netherlands	17	VIKING	Chip resistors	TAIWAN
9	ON-semi	Diode	US				



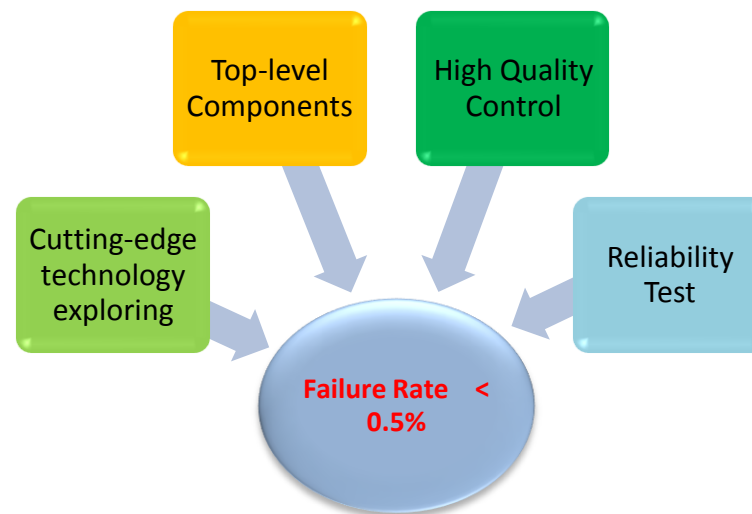




Failure rate < 0.5%

- Single phase inverter average repair rate is **0.48%** in 2013, much lower than 8% Chinese average level.
- Basing on total shipment around 50000 units in 2013.

Shipments in 2014 about 70000 sets of inverter repair rate is 0.41% on average, beyond the national average and again beyond himself.



- Omnik Products

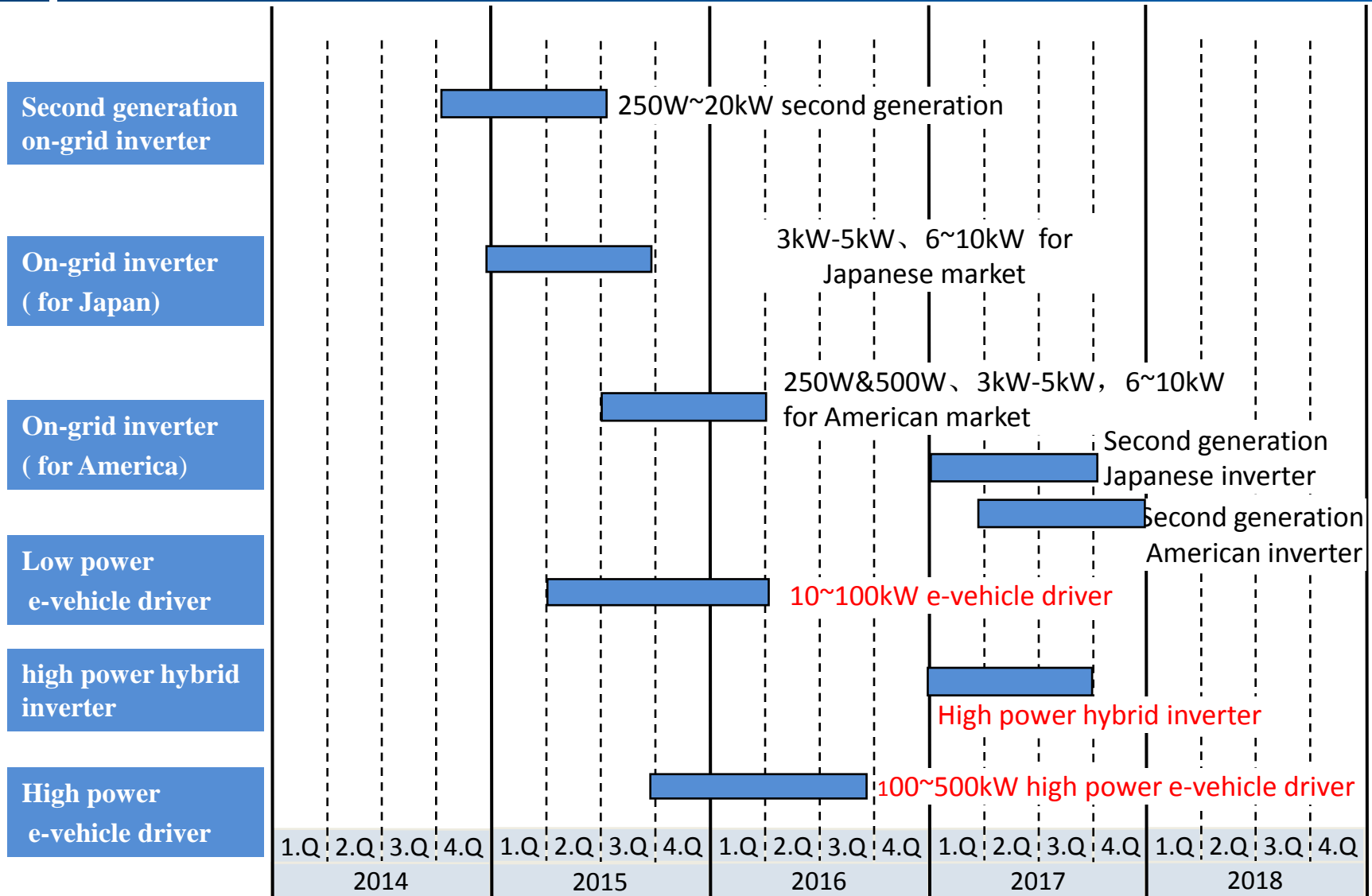
- Omnik Sales Achievements

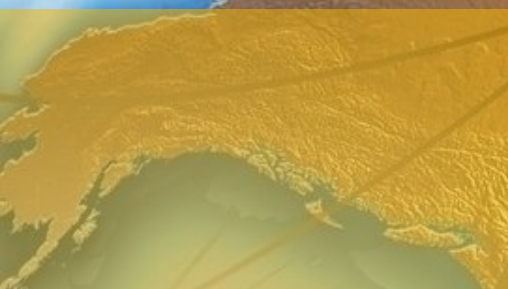
- Omnik Quality Control

- Omnik Product Development

- Omnik product roadmap

Omnik Product Roadmap





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