



About us

Omnis Power was founded in 2010 and has since grown to become one of the most innovative and dependable global manufacturers of solar products. Omnis Power, with an annual capacity of 3 GW+, offers sustainability and brings the future to both commercial and residential applications worldwide with top-of-the-line solar products, solutions, and services. Omnis Power has multiple Asian manufacturing facilities and dedicated global sales teams in United States, Europe, China, and Australia.

In today's globalized economy, being an American-qualified PV company means operating in a way that reflects our values and mission to provide our partners with the innovation and quality they deserve. We recognize that the design, manufacture, and sale of our PV panels and kits can impact society and change lives. To that end, we make every effort to be open and transparent about our business practices. Omnis Power is committed to upholding the standards and responsibility that made us one of the best.



3G+
In House PV Panel Capacity



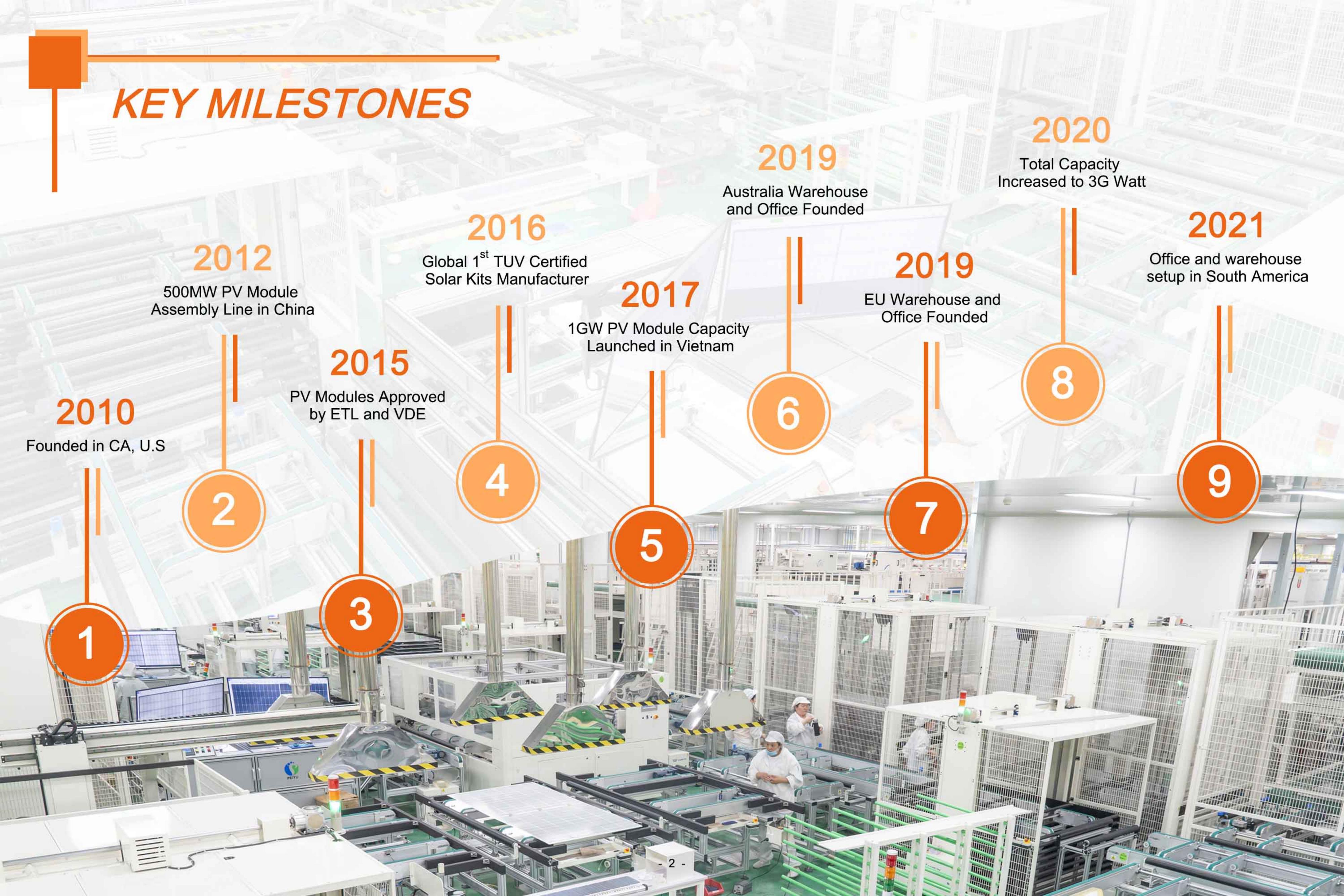
1000+ successful PV installtion



40+ Countries in Presence



10+
Years PV Experiences



KEY TECHNOLOGIES



A typical PERC structure employs AI-BSF. Bifacial PERC is different from the typical PERC, with BSF replaced by AI grid, which can receive scattered solar radiation and thus achieve a bi-faciality of over 80%.

Omnispower modules adopt bifacial PERC as the core technology, in which Ominspower has the most sophisticated R&D and industrialization capabilities. With the integration of dual-glass, multi-busbar and half-cut cell technologies, Omnispower can achieve higher energy generation performance.





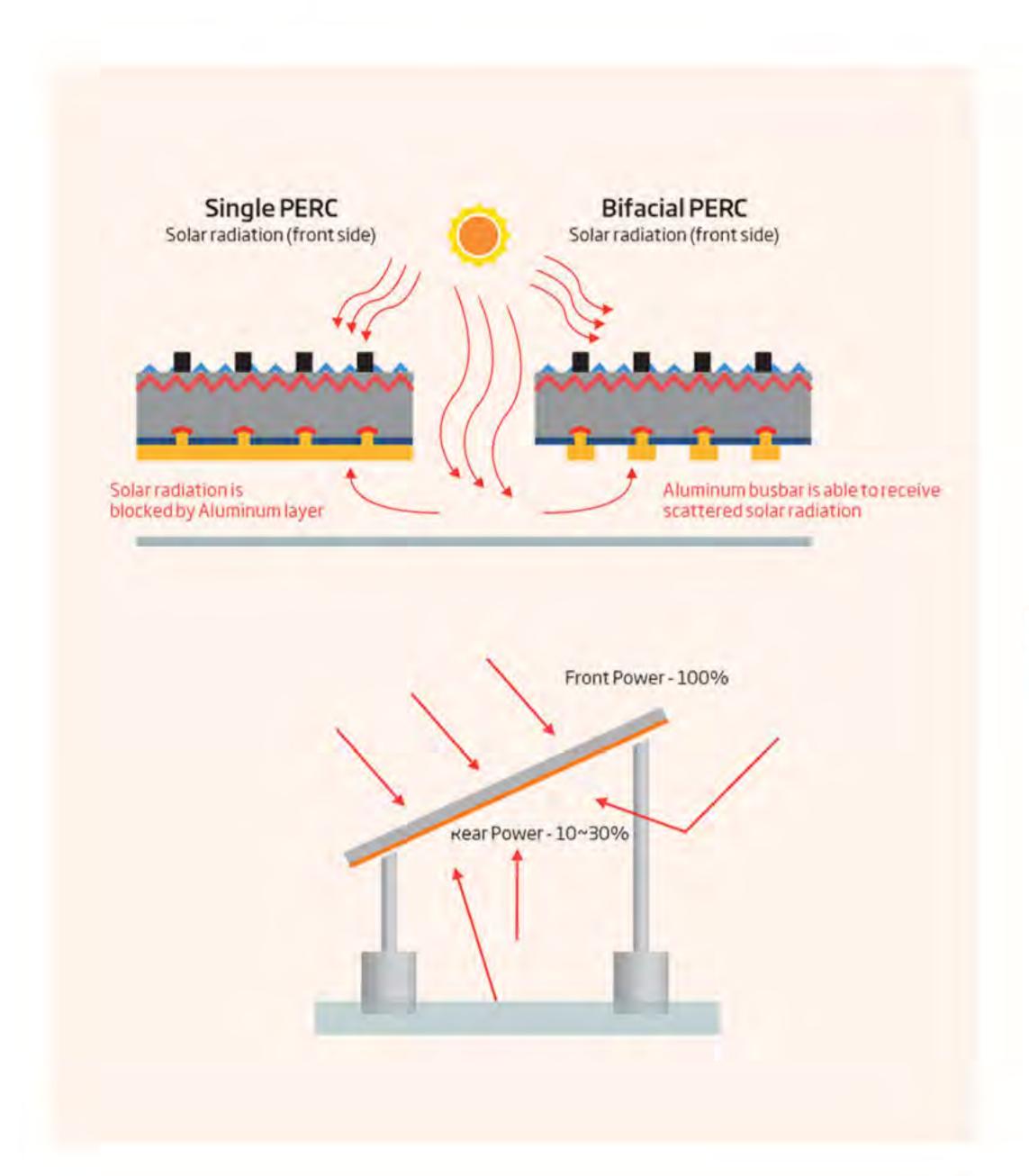
High power generation

n High reliability



Low LCOE





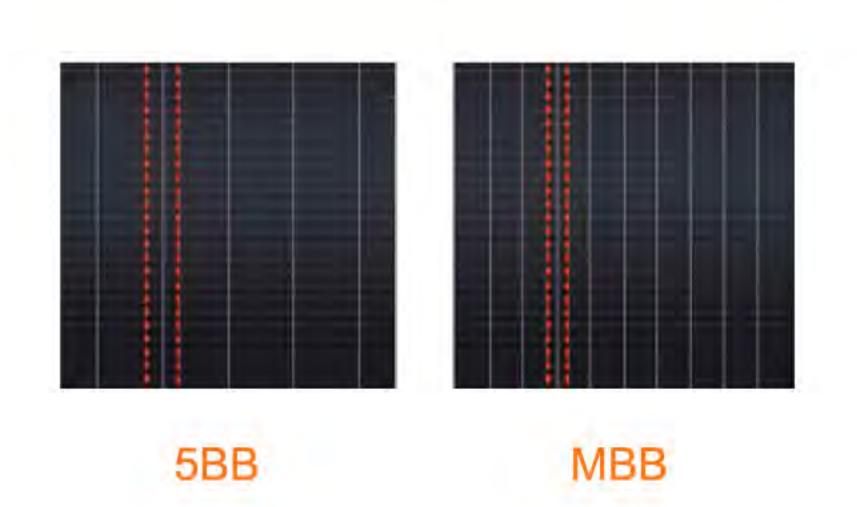


Compared to the conventional five busbar soldering process, the multi-busbar (MBB) technology can increase output power of PV modules by 2% with finer and narrower busbars. As the pioneer of MBB technology, Omnispower has always been taking the lead in R&D and mass production of MBB in the industry.

As early as 2015, Omnispower started its research on MBB and joined hands with other players to develop the first-generation round welding strip and first-generation MBB cell series welding equipment in China. Moreover, Omnispower was also among the first to solve technical difficulties in the process.



Reduced resistance losses with over 50% shortened current conduction distance





Shortened current conduction distance



Up to 15% reduced series resistance

KEY TECHNOLOGIES

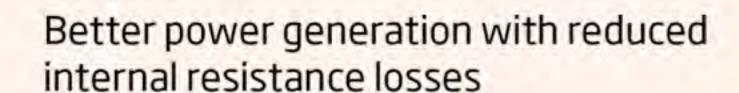


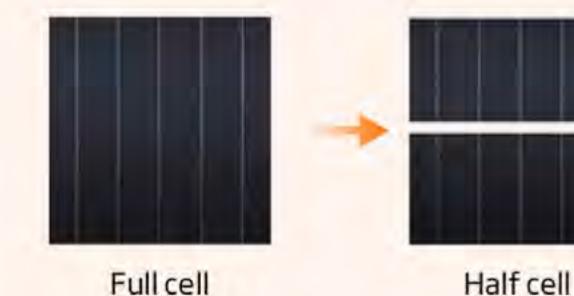
Half-Cut



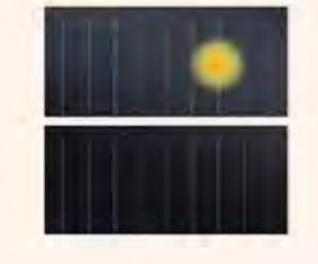
In this technology, the full cell is cut into two parts, which results in a reduction of electrical ribbon resistance and finally improves the overall module efficiency by more than 2%. Also, half-cut design allows the module to work at low operating temperatures, which can improve energy generation per watt.

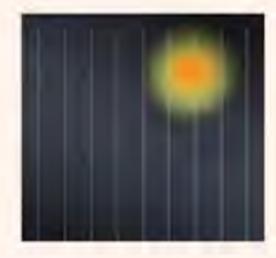
Omnispower has integrated half-cut technology into its new generation module product series, which significantly improves the actual power generation, especially when combined with other outstanding technologies like multi-busbar and bifacial cell design.



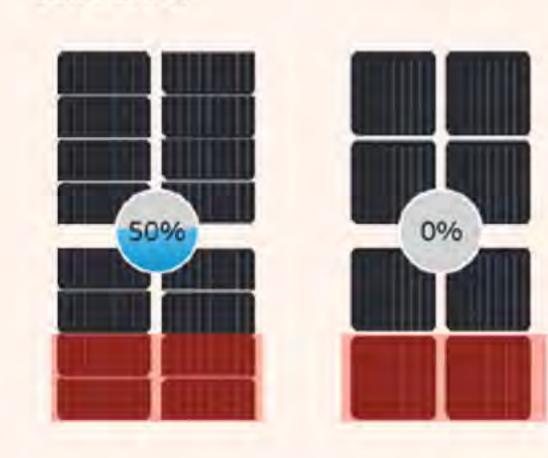


High reliability with strong resistance against hotspots





High power output with better shading tolerance



Lower operating temperature





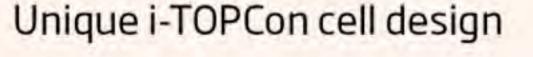


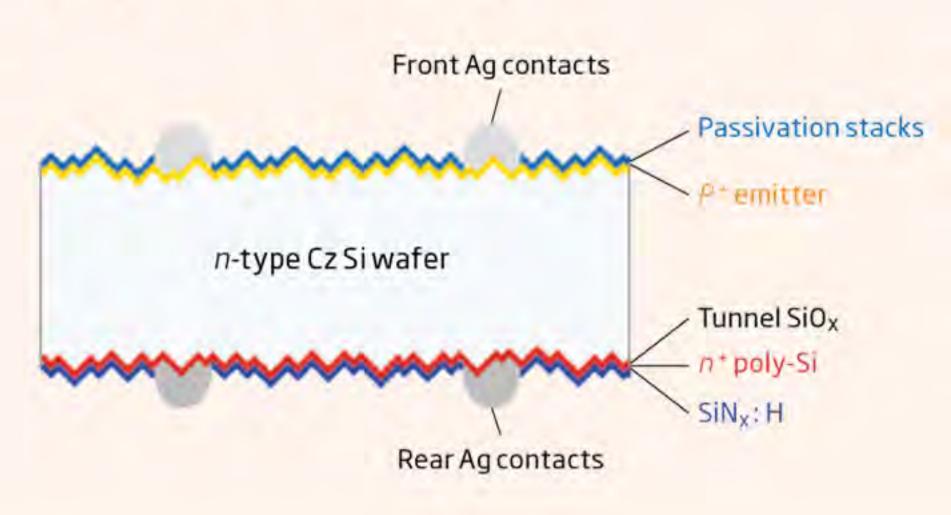
In 2015, the State Key Laboratory of Photovoltaic Science and Technology (SKL PVST) of Omnispower began the research on a large-area bifacial TOPCon cell that is aimed for industrial mass production, naming it i-TOP-Con cell.

The i-TOPCon cell has a front boron emitter and a rear full-area passivating contact. In 2021, Omnispower achieved a front side median efficiency over 25% on i-TOPCon cells. Empowered with i-TOPCon technology, Omnispower N type modules achieve an industry-leading output power of up to 670W.

24.58% world-record lab cell efficiency for monocrystalline n-type (c-Si) i-TOPCon solar cell 23.22% world-record lab cell efficiency for cast-monocrystalline n-type (c-Si) i-TOPCon solar cell









Less than 1% LID degradation



Low temperature coefficient



Lower micro-crack risk without internal stress from the symmetrical N-Bifacial cell scheme

PRODUCT- SOLAR MODULES

A TIER-1 SOLAR MODULE MANUFACTURER

FULL RANGE OF SOLAR MODULES TO MEET VARIOUS NEEDS WORLDWIDELY

Omnis Power redefines a variety of products by integrating large silicon wafers with bifacial-cell, multi-bus -bar, high-density encapsulation and other related technologies. With years of R&D investment, Omnis Power innovates and continues to deliver highly competitive products and value to the customers.

A WORLD-LEADING SOLAR MODULE MANUFACTURER, OMNISPOWER SPECIALIZES IN RESEARCH, DEVELOPMENT, PRODUCTION, AND SALES OF SOLAR PV PRODUCTS.



Mono Facial

CORTEX

Cortex P1 Series Mono Facial



Cell Size: 158.75mm

Power Range: 330W-350W

Size: 1690x1002x30mm

Weight: 19kgs

Cortex P2 Series Mono Facial



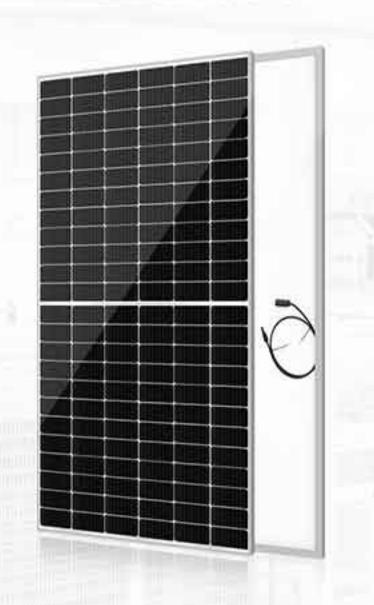
Cell Size: 166mm

Power Range: 370W-385W

Size: 1763x1040x30mm

Weight: 20kgs

Cortex P2 Series Mono Facial



Cell Size: 166mm

Power Range: 445W-460W

Size: 2094x1038x35mm

Weight: 23.3kgs

Cortex P3 Series
Mono Facial



Cell Size: 182mm

Power Range: 390W-415W

Size: 1724x1134x30mm

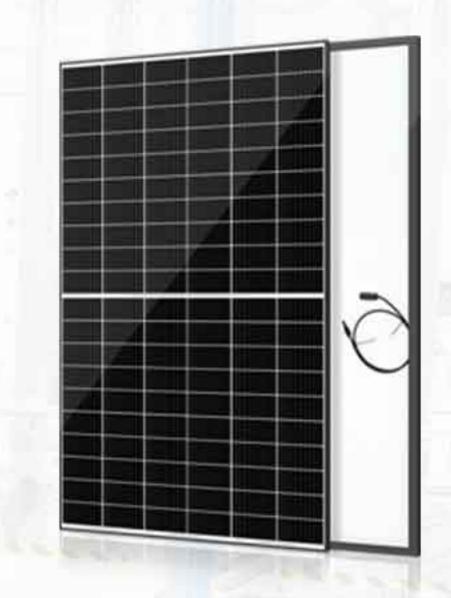
Weight: 20.7kgs

Cortex P3 Series Mono Facial



Cell Size: 182mm
Power Range: 540W-560W
Size: 2274x1133x35mm
Weight: 28kgs

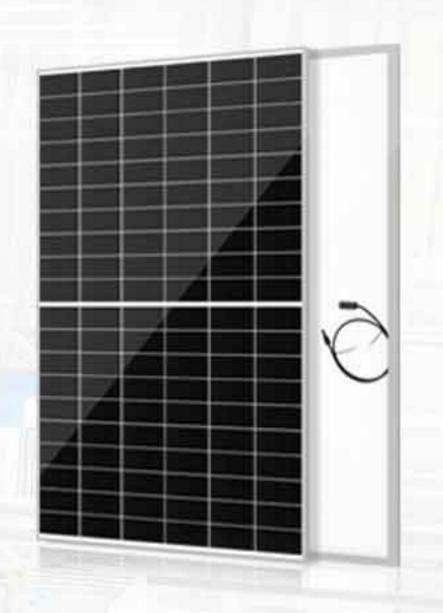
Cortex P4 Series
Mono Facial



Cell Size: 210mm
Power Range: 390W-405W
Size: 1724x1134x30mm

Weight: 20.7kgs

Cortex P4 Series Mono Facial



Cell Size: 210mm

Power Range: 595W-605W

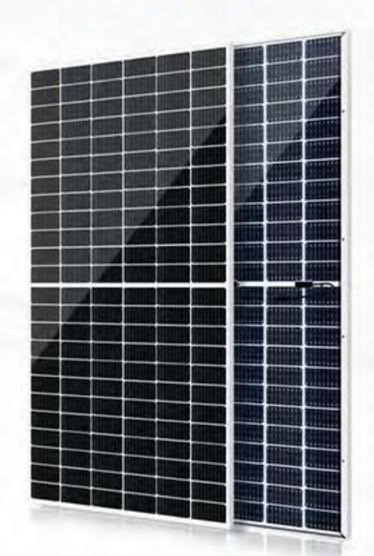
Size: 2172x1303x35mm

Weight: 35.3 kgs



Mono Bifacial

Cortex P2 Series Mono Bifacial



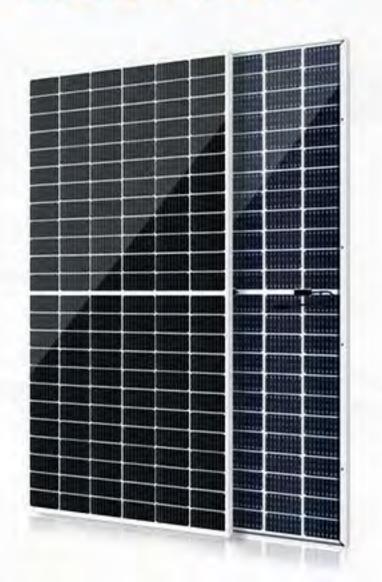
Cell Size: 166mm

Power Range: 445W-460W

Size: 2094x1039x30mm

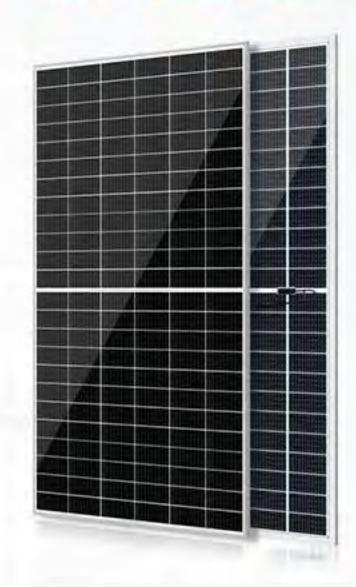
Weight: 28.1kgs

Cortex P3 Series Mono Bifacial



Cell Size: 182mm
Power Range: 530W-560W
Size: 2274x1133x30mm
Weight: 31.8kgs

Cortex P4 Series Mono Bifacial



Cell Size: 210mm
Power Range: 590W-605W
Size: 2172x1303x35mm
Weight: 35.3kgs



Cortex N-TOPCON Series Mono Bifacial



Cell Size: 182mm
Power Range: 460W-480W
Size: 1903x1134x30mm
Weight: 24.2kgs

Cortex N-TOPCON Series Mono Bifacial

CORTEX



Cell Size: 182mm
Power Range: 555W-575W
Size: 2278x1134x35mm
Weight: 28kgs



Ultra Black

Cortex P1 Series Ultra Black



Cell Size: 158.75mm

Power Range: 330W-345W

Size: 1690x1002x30mm

Weight: 19kgs

Cortex P2 Series Ultra Black



Cell Size: 166mm

Power Range: 365W-380W

Size: 1763x1040x30mm

Weight: 20kgs

Cortex P4 Series Ultra Black



Cell Size: 210mm

Power Range: 390W-405W

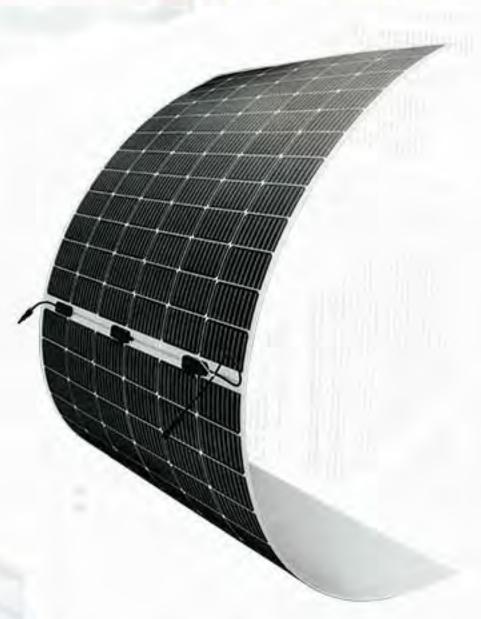
Size: 1724x1134x30mm

Weight: 20.7kgs - 6 -



Flexible

Cortex Flexible Series



Cell Size: 166mm
Power Range: 430-460w
Size: 2120x1050x2mm

weight: 7.3 Kg



SHINGLED

Cortex SHINGLED Series



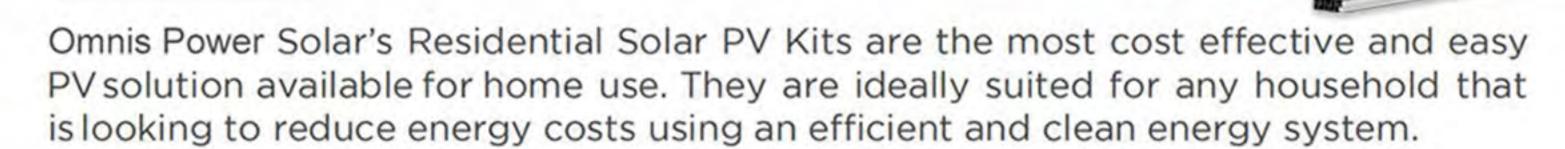
Cell Size: 158mm
Power Range: 385-400w
Size: 1646x1140x30mm
weight: 19Kg

PRODUCT- SOLAR KITS



3kW / 4kW / 5kW / 6kW / 7kW / 8kW

Product Description





Switch on and off

Our grid-tied systems allow homeowners to get power from either their solar electric system or the utility grid, switching seamlessly between the grid-tied PV system and the grid.



Sell back your power

When your grid-tied system is producing more power than your home is consuming, the excess power can often be sold back to the utility in a practice known as net metering.



Use the grid at night

When your system is not producing sufficient power or during non-daylight hours your home can draw power from the utility grid.



What's in the Box

- Solar modules
- Solar on-grid inverter
- Custom roof mounting system
- PV wiring harnesses
- DC and AC disconnects
- Wire management kit
- Safety label kit
- Single and three-line electrical and mechanical schematics
- Microinverter (available for Mini 500W)



ON-GRID COMMERCIAL

10kW / 15kW / 20kW / 30kW / 60kW / 100kW

Product Description



Omnis Power Solar's Commercial Solar PV Kits are ideally suited for any business that is looking to reduce rising energy costs and hedge against future energy inflation. Our pre-engineered kits are suitable for most installation sites including commercial roof tops and ground mounting locations.



Help the environment

Business owners reduce electricity costs whilst simultaneously promote their brand commitment to the environment and enhace their social corporate responsibility.



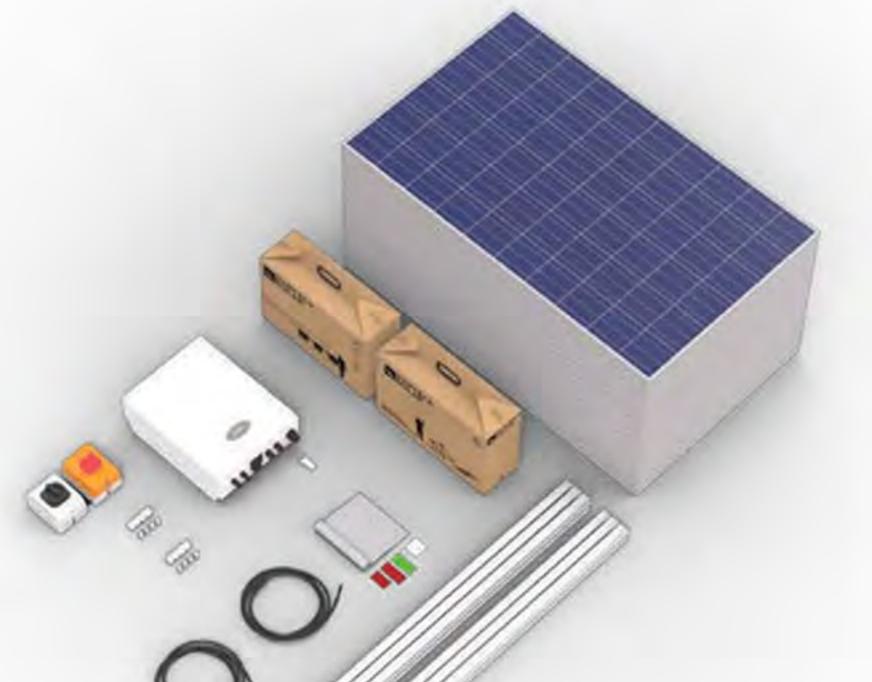
Increase your value

Depreciate financial contributions and sell any excess electricity generated by the system back to the grid. Increase the ROI and enjoy added marketing benefits from a highly visible landmark.



Great adaptability

Let our systems fit in your needs. We offer flexible design to serve space restricted areas. They come in a variety of inverter voltage ranges which can be adapted to site-specific electrical requirements.



What's in the Box

- Solar modules
- Solar on-grid inverter (3 phase)
- Custom roof mounting system
- PV wiring harnesses
- DC and AC disconnects
- Wire management kit
- Safety label kit
- Single and three-line electrical and mechanical schematics

PRODUCT- SOLAR KITS



3kW / 4kW / 5kW / 6kW / 8kW / 10kW

Product Description



hybrid solar kits are unique in their ability to operate in either on-grid or off-grid conditions. These systems include advanced BMS technology that enables users to modify the charge/discharge rate & schedules of the battery storage unit as well as to manage power consumption and PV generation usage.



Adaptable and friendly

Operational in both on-grid and off-grid mode, Aurora kits are a valuable investment for those seeking an adaptable and user-friendly combination for solar and storage resources.



The best investment

With the decreasing cost of solar PV and Li-Ion batteries, and the increasing local incentives, solar hybrid systems have become an attractive investment opportunity for home and business owners.



Schedule your system

These systems have the ability to generate and store power at periods when electricity prices are at their highest and deliver it to the load on a scheduled time frame.



What's in the Box

- Solar modules
- Hybrid inverter/charger
- Custom roof mounting system
- Battery bank
- Battery storage unit
- PV, battery bank, & grounding wiring harnesses
- DC and AC disconnects
- Wire management kit
- Grounding hardware
- Safety label kit



Product Description



Off Grid Solar Kits are designed for easy installation and low maintenance. Off Grid solar systems are noiseless, produce zero emissions, and offer grid independence, unlike standard On-Grid PV Systems which will not provide electricity to your house during a power outage due to safety regulations.



Full Independance

off-Grid
systems are
independent of the
standard utility grid,
and can typically
deliver the equivalent
expectations of the
traditional grid.



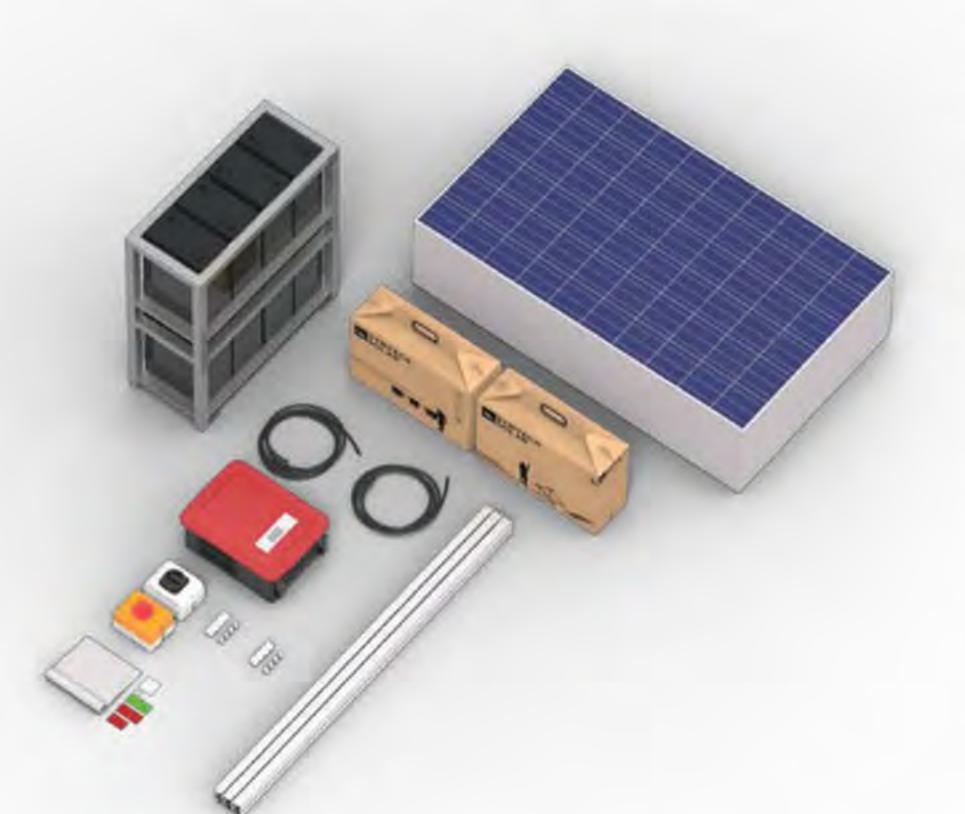
Increase your value

Increase the value of your home and business by giving them total grid independance and stop relying on the grid with this added value.



Light up your world

Bring power to areas with limited or no access to electricity, whether it's a remote cabin, your business, or your residence, we have a solution that can fit any installation requirements.



What's in the Box

- Solar modules
- Off-grid inverter/charger
- Custom roof mounting system
- Battery bank
- Battery storage unit
- PV, battery bank & grounding wiring harnesses
- DC and AC disconnects
- Wire management kit
- Grounding hardware
- Safety lebel kit
- Single and three-line electrical and mechanical schematics

Home Storage Battery (Stackable Version)



Model	PCBS-48100	PCBS-48150	PCBS-48200
Battery Type	48V/100AH, Lithium-LiPO4	48V/150AH, Lithium-LiPO4	48V/200AH, Lithium-LiPO4
Nominal Energy(KWh)	4.8	5.8	9.6
Usable Energy(KWh)	4.32	5.3	8.64
Max Output Power(KW)	4.8	4.8	4.8
Peak Output Power(KW)	9.6,35	9.6,3s	9.6, 3s
Round-Trip Efficiency		≥97.3%	
Nominal Voltage(V)		48	
Nominal Charge/Discharge Current(A)	100/100	150/150	100/100
Operating Voltage Range(V)		42-54	
Dimension (W*H*D)	442*140*550	442*178*550	442*200*550
Net Weight(Kg)	42	63	75
Gross Weight(Kg)	44	65	77
Enclosure Protection Rating		IP 21	
Warranty		5 Years	
Cycles Life		> 4,000	
Ambient Temperature Range°C		-10-50	
Depth of Discharge		90%	
Certification&Safety Standard		UL1973/ IEC62619/UN38.3	
Scalability		Max 8 Pcs in Parallel	

QUALITY CONTROL



From incoming material testing to online production, OBA test and delivery status, Omnispower's in-house developed ERP system interconnects all data in one database to achieve complete traceability.

The system implements a unique bar code for each module component. Information such as raw material suppliers, production workers, quality testing results, and production details are all accessible online through our ERP system. This data is kept on our server for client's access, and allows us to track and take responsibility for product full cycle monitoring and production process optimization.

Real-Time
Monitored
And
Recorded

Improved Company Competitiveness



Continuously improve line efficiency and process management



Improve capacity utilization and yield rate



Reduce production costs



Guarantee customer trust by utilizing transparent and traceable production processes

Added Value For Customer



Customers can access real-time production data including BOM detail, EL report, power data, etc.



A unique bar code enables you to track all the information related to your order.



Visual access to real-time workshop floor monitor recordings via our ERP system.









QUALITY CONTROL



Environment Management System (ISO 14001: 2015) and Occupational Health and Safety Management System (ISO45001: 2018) from both DNV and GZCC.

Beyond ISO9001, Omnispower also applied for the national "GB T19580 2012 Criteria for Performance Excellence". This regulates not only product quality, but also production waste, environmen-tal burden, management foresight, etc., which are the necessary requirements for an "excellent" company.

Supply Chain Control



Stringent Supplier Management



Spot Check Every Feedstock Batch



Supplier Quality Engineering



Automatic Material Filtration and Sorting



Proper Storage at Fixed Temperature and Humidity



Incoming-material Quality Assurance

Production Control



300+ Quality Check Points



3 * EL Tests



In-process Quality Control

After Production Inspection



Open Box Audit (OBA) Test









GLOBAL PROJECT REFERENCES



7MW

Project Type: G-Mounted Location: USA / Florida Commission Date: 2017-12



3.3MW

Project Type: G-Mounted Location: USA / NY Commission Date: 2017-11 Product: OP345M60-P1



2MW

Project Type: G-Mounted Location: Netherlands / Goor Commission Date: 2020-6



2.6MW

Project Type: G-Mounted Location: Japan / Himeji Commission Date: 2012-4 Product: OP270M60-P1



830kW

Project Type: Commercial Rooftop Location: Singapore Commission Date: 2017-10 Product: OP330M60-P1



1.7MW

Project Type: Commercial Rooftop Location: USA / Austin Commission Date: 2021-1 Product: OP350M60-P1

GLOBAL PROJECT REFERENCES

32kW

Project Type: Residential Rooftop

Location: Philippines / Manila Commission Date: 2017-1 Product: OP415M60-P2



226.1kW

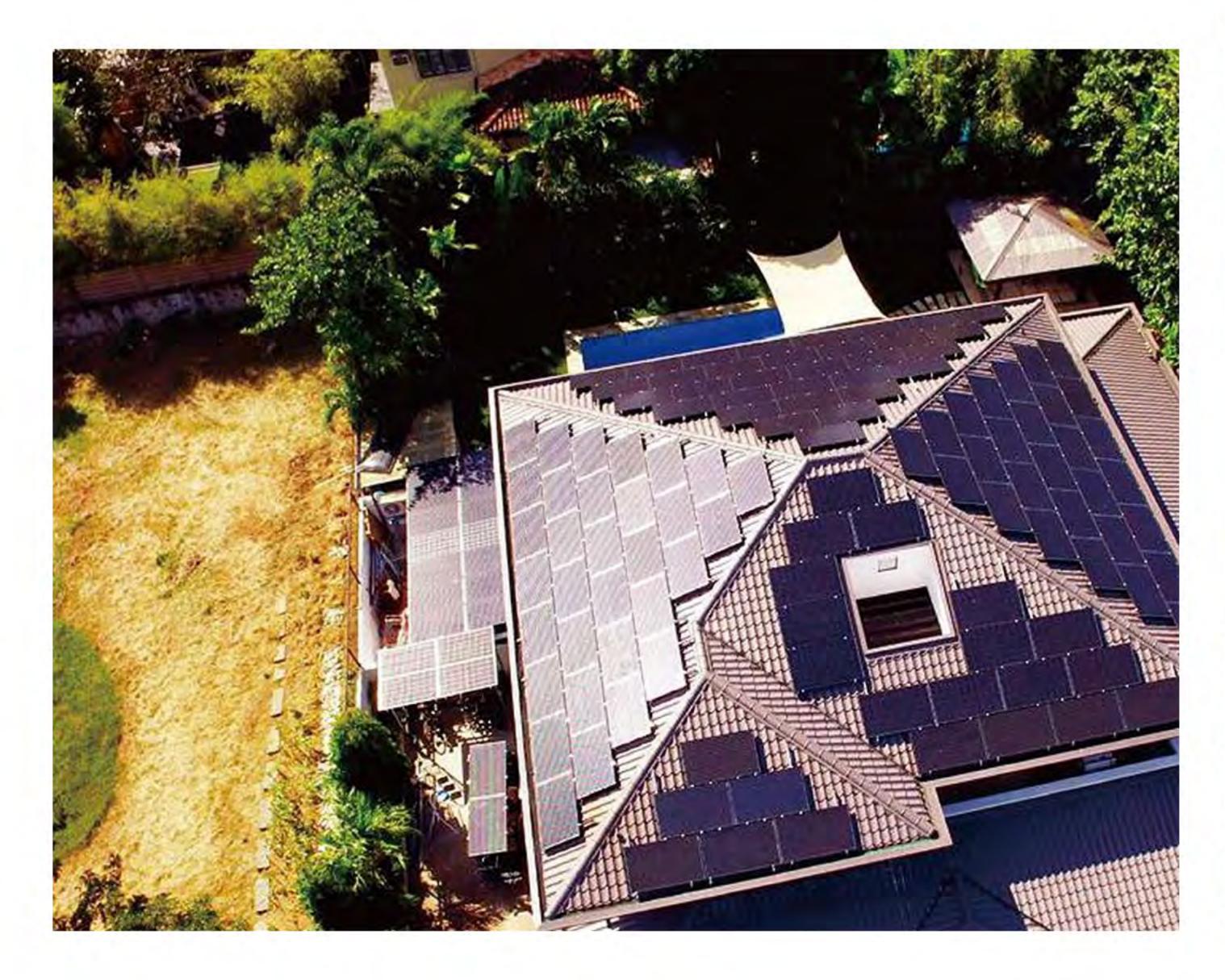
Project Type: Commercial Rooftop Location: Mexico / San Luis Potosi Commission Date: 2019-8 Product: OP380M60-P1



5.9kW

Project Type: Residential Rooftop Location: Belgium / Sint-Lievens-Houtem Commission Date: 2017-6

Commission Date: 2017-6 Product: OP320M60-P1





901kW

Project Type: Commercial Rooftop
Location: Thailand /
Chachoengsao
Commission Date: 2018-1
Product: OP375M60-P1



288.3kW

Project Type: Commercial Rooftop Location: South Africa / Cape Town Commission Date: 2018-3 Product: OP330M60-P1



6.6kW

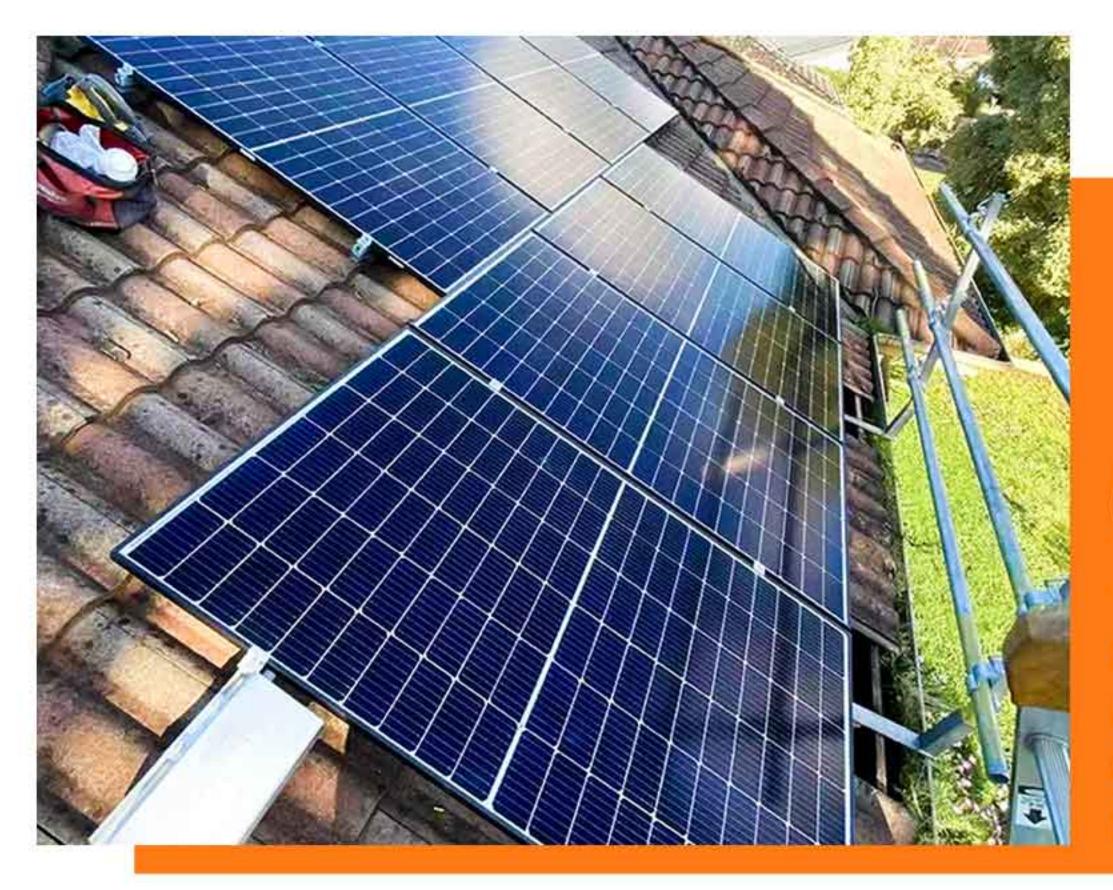
Project Type: Residential Rooftop Location: Australia / Queensland Commission Date: 2013-5 Product: OP285M60-P1



204kW

Project Type: Floating Project Location: Singapore Commission Date: 2016-10 Product: OP325M60-P1

GLOBAL PROJECT REFERENCES



6.6kW

Project Type: Residential Rooftop Location: Australia / Salzburg Commission Date: 2017-7 Product: OP415M72-P1



6.6kW

Project Type: Residential Rooftop

Location: Australia

Commission Date: 2019-7 Product: OP415M72-P1



6.6kW

Project Type: Residential Rooftop

Location: Australia Commission Date: 2018-7 Product: OP330M60-P1



6.6kW

Project Type: Residential Rooftop

Location: Australia

Commission Date: 2019-12 Product: OP415M72-P1

PREMIUM PARTNERS



























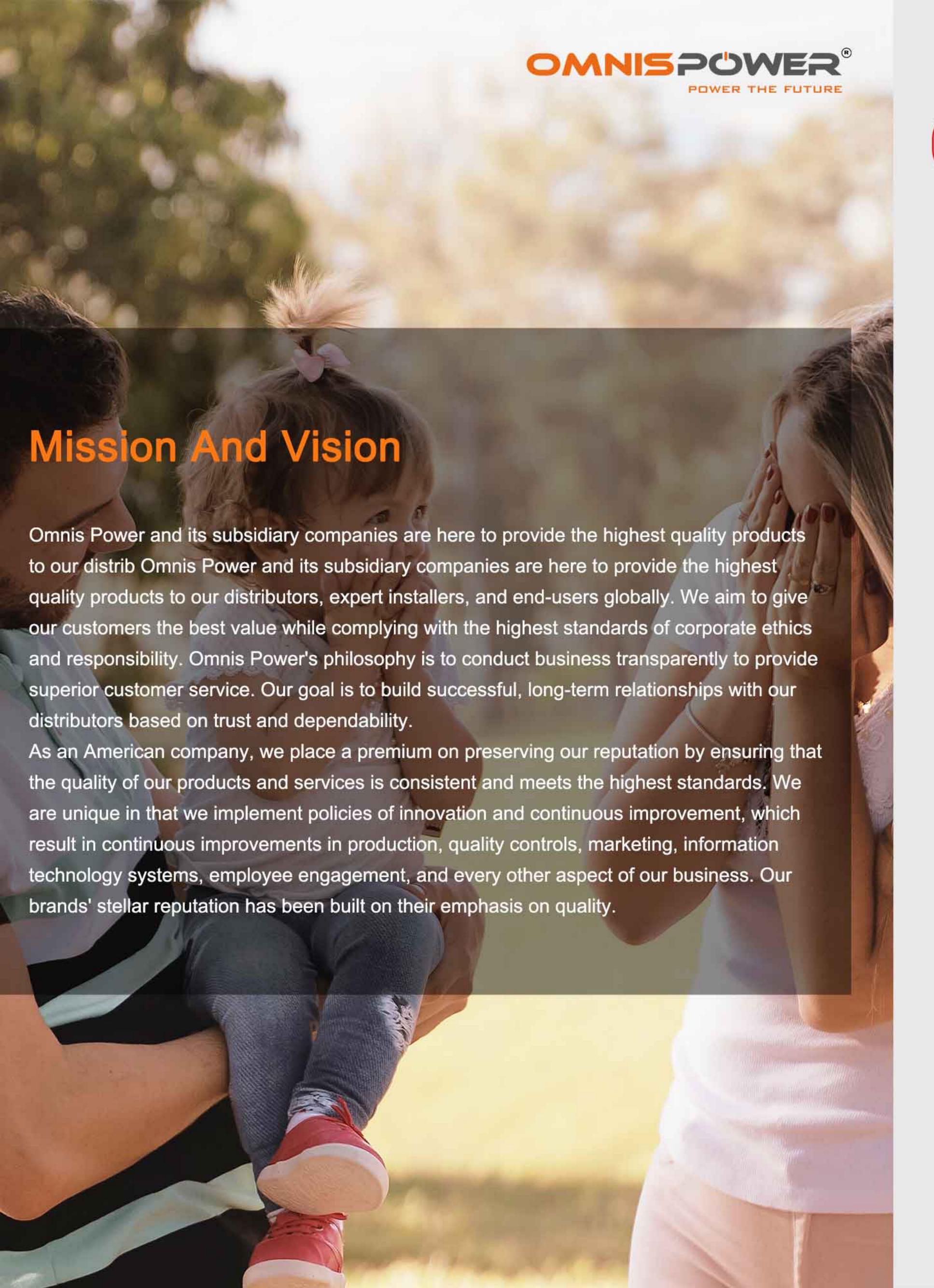












- Sales Office
- Manufacturing Plant



Manufacturing Plant(China)

No.252 Jinwu Road, Changzhou, Jiangsu Province, China

Manufacturing Plant (Vietnam)

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