

True American Quality
True American Brand
America's Module Company

TM



AT A GLANCE

Mission Solar Energy Highlights



AMERICAN QUALITY

Corporate headquarters
and production facility
in San Antonio, Texas

200MW annual module
production capacity

Over 150+ employees



TECHNOLOGIES

MONO PERC Cells ~ 22.1%

5 Busbars



PROVEN TRACK RECORD

300MW modules
delivered to large scale
power plants up to
142MWs

Nationwide C&I /
Residential Portfolio



BANKABILITY

Corporate parent OCI
Company, a multi-billion
company publicly listed
in Korea

KEY MILESTONES

History of Mission Solar Energy

2012

JULY

CPS Energy and OCI
sign 400MW supply
agreement

JUNE

100MW capacity

SEPTEMBER

Grand opening
ceremony

2014



NOVEMBER

Alamo 3 (6.7MW)
delivery completion

MAY

Alamo 6 (142MW)
delivery completion

OCTOBER

Pearl (66MW)
delivery completion

2016

SEPTEMBER

Four new product
launched

DECEMBER

Granted IEC and UL
Certifications and CEC listing
for high power modules

FEBRUARY

Ground breaking
of MSE Facility at
Brooks City Base



2013

MAY

Alamo 5 (27MW)
delivery completion

SEPTEMBER

200MW capacity
(~US\$100m investment
~290 jobs)



JANUARY

New 4 busbar technology
production ramp-up to
200MW capacity

JANUARY-JULY

Over 50 customers
serviced nationwide

2017

2015

KEY MILESTONES

History of Mission Solar Energy

2018



JANUARY

300 MW production milestone

2018



NOVEMBER

Production of five busbar product line

2019



SEPTEMBER

M3 product line launched at Solar Power International 2019

2020

MARCH

Production of M3 module



SEPTEMBER

Five busbar product line launched at Solar Power International 2018

2018



NOVEMBER

Project Ivory (66MW) completion. Lamesa, Texas



2018



NOVEMBER

600 MW production milestone

2019



FACILITY OVERVIEW

Mission Solar Energy



86 acres of land owned by Mission Solar Energy in Brooks City Base, San Antonio, Texas



A single story structure encompassing 246,000 square feet



Executive offices serve as global headquarters for Mission Solar Energy



Two module production lines (200MW) with the potential to expand to 500MW in the Building's existing space



Size of the property increases our overall expansion potential to 1.5GW





Corporate Parent

OCI Company



oci Leading
polysilicon
producer



OCI COMPANY

Backed by OCI Company, Seoul, South Korea

- Established in 1959
- Global leader in green energy and chemicals, providing more than 50 basic chemical products
- In 2018: \$2.6 billion in sales, 4.8 billion in assets, 134 million net profit
- Vertically integrated and publically listed multinational corporation (KRX: 010060)



OCI PRODUCTS

A Member of the OCI Company, Ltd.

BASIC CHEMICALS

Products

Polysilicon
Fumed silica
Hydrogen peroxide

Plants

Korea, China, Philippines,
Malaysia, USA

PETRO CHEMICALS & CARBON MATERIALS

Products

Carbon black
Pitch
Benzene, Toluene, Xylene (BTX)
Enervac vacuum insulation panels

Plants

Korea, China

IPP & OTHERS

Products

Solar energy
Cogeneration plant

Plants

Korea, USA, Vietnam



OCI COMPANY GLOBAL

Global Operations

GLOBAL OPERATIONS IN 7 COUNTRIES

- Korea, USA, China, Japan, Philippines, Vietnam, Malaysia

OCI Peroxygens, LLC

OCI Solar Power, LLC

Mission Solar Energy, LLC

Sun Action Trackers, LLC

● OCI Company, LTD.

Subsidiaries

1. OCI Specialty Co., LTD.
2. OCI Power Co., LTD.
3. OCI Information & Communication Co. LTD
4. OCI SE Co., LTD.
5. OCI China Co., LTD.
6. Tangshan OCI Chemical Co., LTD.
7. OCI Solar (China) Co., LTD.

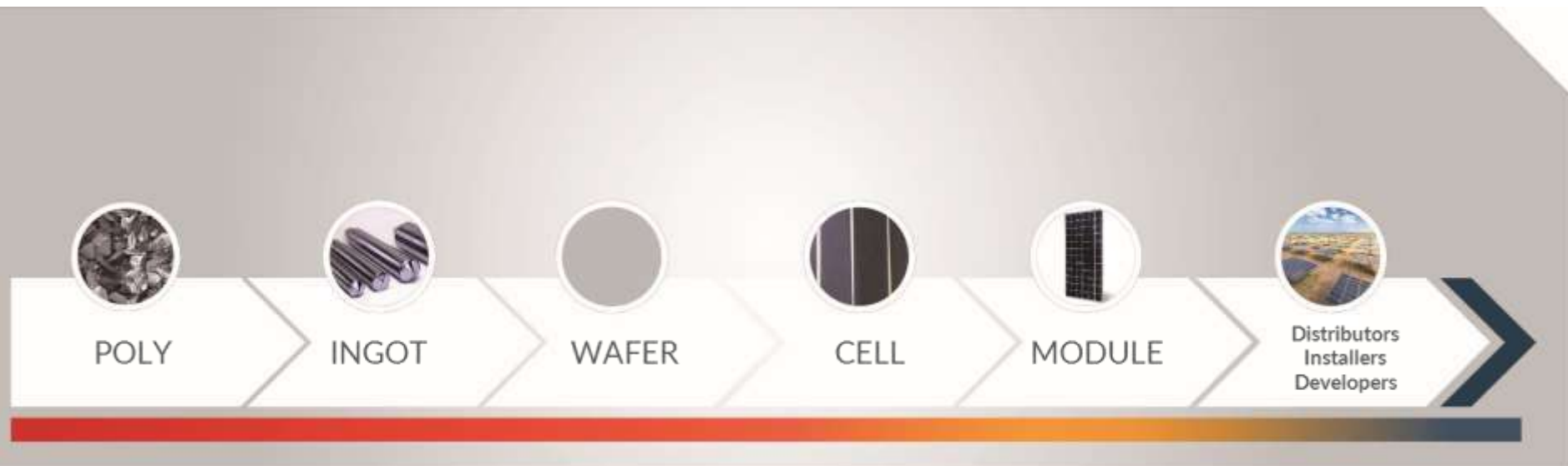
10. OCI Japan Co., LTD.
 11. OCI Vietnam Co., LTD.
 13. DCRE
 14. OCIM Sdn. Bhd.
- OCI Peroxygens, LLC
OCI Solar Power, LLC
Mission Solar Energy, LLC

Joint-Ventures

15. Shandong OCI Co., LTD.
 16. OCI-Ferro Co., LTD.
 17. Shandong OCI-Jiayang Carbon Black Co., LTD.
 18. MA Steel OCI Chemical Co., LTD.
 19. Philko Peroxide Corp.
 20. Hyundai OCI Co., LTD.
- Sun Action Trackers

SOLAR VALUE CHAIN

OCI Company – Solar Energy



Projects Portfolio

True American Quality
True American Brand

America's Module Company

TM

UTILITY PROJECTS

Projects Portfolio



Alamo 2 (4.4MWdc), Converse, Texas – owner OCI Solar Power



Alamo 3 (6.75MWdc), Converse, Texas – owner Consolidated Edison



Alamo 5 (26.9MWdc), Uvalde, Texas – owner Consolidate Edison



Alamo 6 (140.3MWdc) and Pearl (66.13MWdc), Pecos County, Texas – owner Berkshire Hathaway

RESIDENTIAL PROJECTS

Projects Portfolio



7.8kW Paso Robles, California



10.8kW Tampa Bay, Florida



15.52kW Ozark, Missouri



33.9kW New Braunfels, Texas

COMMERCIAL PROJECTS

Projects Portfolio



798kW Southern Ave. Self Storage, Oxon Hill, Maryland



Detroit Lions' Ford Field & Training Facility, Allen Park, Detroit



117kW Aeroponic Farm, Springstein Mantinoba, Canada



136kW Arts Sheet Metal, Morgan Hill, California

GOVERNMENT PROJECTS

Projects Portfolio



130kW U.S. Space & Rocket Center, Huntsville, Alabama



800kW Ft. McNair, Washington, DC



283kW Dallas Police Station, Dallas, Texas



515kW Parker Elem. School, Edgefield, South Carolina

GOVERNMENT SOLUTIONS

BAA Compliant for Government Projects



Buy American Act & the American
Recovery and Reinvestment Act



U.S. AIR FORCE



Federal Transit
Administration



800kW
Fort McNair, Washington, DC

Technology

True American Quality
True American Brand

America's Module Company TM

PRODUCT PORTFOLIO

60-Cell Technology

MSE PERC 60

315-325W

High-Power PERC Rooftop Module



CERTIFIED RELIABILITY

- > Tested to UL1703 & IEC standards
- > PID Resistance



SUPERIOR AESTHETICS

- > All-black design coupled with outstanding power output
- > Ideal for residential & commercial applications



EXTREME WEATHER RESILIENCE

- > 5631 Pa snow load (117 psf) tested load to UL1703
- > 185 mph wind rating*



BAA COMPLIANT FOR GOV. PROJECTS

- > Buy American Act
- > American Recovery & Reinvestment Act



MODULES
ASSEMBLED
DESIGNED &
ENGINEERED
IN THE USA
OF U.S. AND NON-U.S. PARTS

TM

19.24%

Maximum Efficiency

*185 mph wind rating based upon installation at 30° fixed tilt mount

PRODUCT PORTFOLIO

60-Cell Technology

MSE PERC 60

320-330W

High-Power PERC Rooftop Module



CERTIFIED RELIABILITY

- › Tested to UL1703 & IEC standards
- › PID resistant



ADVANCED TECHNOLOGY

- › PERC and 5 busbar drive
- › Ideal for residential & commercial applications



EXTREME WEATHER RESILIENCE

- › 5631Pa front and back load (117 psf) tested load to UL1703



BAA COMPLIANT FOR GOVERNMENT PROJECTS

- › Buy American Act
- › American Recovery & Reinvestment Act



19.53%

Maximum Efficiency

*185 mph wind rating based upon installation at 30° fixed tilt mount

MSE PERC 72
380-390W
High-Power PERC Module

PRODUCT PORTFOLIO

72-Cell Technology



CERTIFIED RELIABILITY

- › Tested to UL1703 & IEC standards
- › PID resistant



ADVANCED TECHNOLOGY

- › PERC and 5 busbar drive
- › Ideal for all applications



EXTREME WEATHER RESILIENCE

- › 5631 Pa front and back load (117 psf) tested load to UL1703



BAA COMPLIANT FOR GOVERNMENT PROJECTS

- › Buy American Act
- › American Recovery & Reinvestment Act



MODULES
ASSEMBLED
DESIGNED &
ENGINEERED
IN THE USA
OF U.S. AND NON-U.S. PARTS

TM

19.35%

Maximum Efficiency

Bankability

True American Quality
True American Brand

America's Module Company TM

CERTIFICATIONS

High-Power, American Quality Modules



CEC



IEC 61215/ IEC
61730/ IEC 61701
UL 1703:CSA

Please contact Mission Solar Energy if you have questions or concerns about certification of our products in your area.

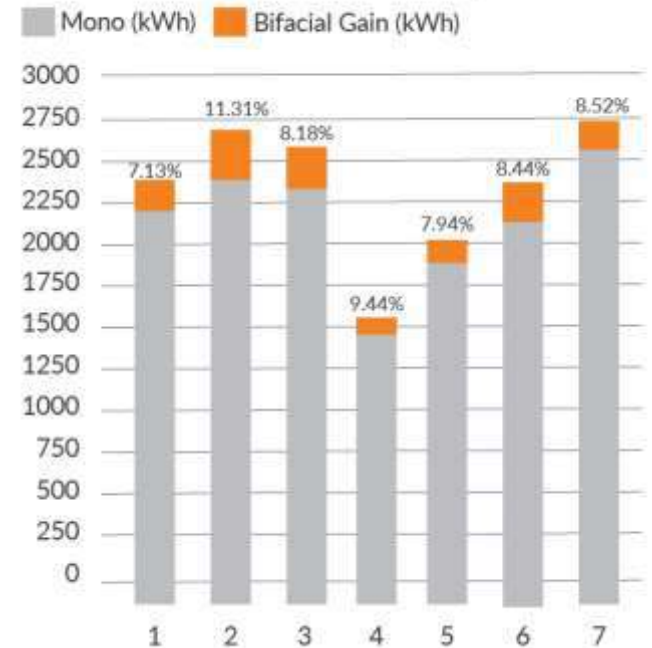
FIELD TESTING & DATA

Multi-Technology Test Bed

We collect field data from our multi-technology test bed. The data obtained allows us to analyze and compare production between panel, inverter, and tracker technologies.



Monofacial vs. Bifacial Power Monthly Results



LONG-TERM RELIABILITY

Internal Testing

We vigorously test our modules to the same IEC standards at our in-house laboratory.
OTHER THIRD-PARTY TESTING INCLUDES: UV Exposure • Ammonia • Salt Mist • Reflectivity



Hail Test



Dynamic Mechanical Load



Potential Induced Degradation (PID)

- UV Exposure
- Thermal Cycling (TC)
- Damp Heat (DH)



Wet Current Leakage

FINANCING

Approved Vendor List

Mission Solar modules are approved by the best-in-class finance companies:





TAKEAWAYS

- > Proven Track Record
- > True American Quality
- > True American Brand



Thank You

Please contact info@missionsolar.com
www.missionsolar.com

*Promising Our Children Bluer Skies,
One Solar Panel at a Time.TM*