

A LEADING SOLAR SOLUTIONS PROVIDER



COMPANY OVERVIEW



FOUNDED 2001
IN ONTARIO



OVER
20,000 EMPLOYEES



104GW OF SOLAR MODULES SHIPPED,
WITH 25GW PROJECTS IN PIPELINE



MORE THAN 2,000
GLOBAL PATENT LICENSES



2023 REVENUE EXPECTATION
\$8.5 - \$9 BILLION



MOST RECOMMENDED
SOLAR COMPANY BY
CUSTOMERS WORLDWIDE*

A WORLD-CLASS POWER SOLUTIONS COMPANY

Chairman and President Dr. Shawn Qu founded Canadian Solar in 2001 with a bold vision: to foster sustainable development and to make lives better by bringing electricity powered by the sun to millions of people worldwide. Over 20,000 dedicated employees of Canadian Solar (NASDAQ: CSIQ) strive each day to make this vision a reality.

The company's two main lines of business are: (i) the manufacturing and sale of solar products and services, and (ii) the development, construction and sale of solar PV projects, working with both build-to-sell and build-to-hold business models. Over 104GW of our solar modules have been installed so far, enough to provide clean, green power to an average of 25 million households.

Our products are in operation in more than 160 countries, giving us a truly global reach. These achievements put us at the forefront of making solar power competitive and mainstream.

Customers choose Canadian Solar because we deliver the best-possible value. Our wafers, cells, and modules combine superior quality with market-leading cost structures. And our solar projects consistently achieve the highest production values and returns on investment. We currently have more than 25GWp of projects in our pipeline worldwide and in energy storage project development with over 52GWh of aggregate pipeline, which is uniquely positioned to provide complete turnkey solar solutions. By bundling services for the entire project life cycle—feasibility study, permitting, engineering, procurement, construction, and maintenance—we can significantly reduce complexity and cost for industrial and commercial customers.



Dr. Shawn Qu

Chairman and CEO



Yan Zhuang

*President and
Chief Operating Officer*



Thomas Körner

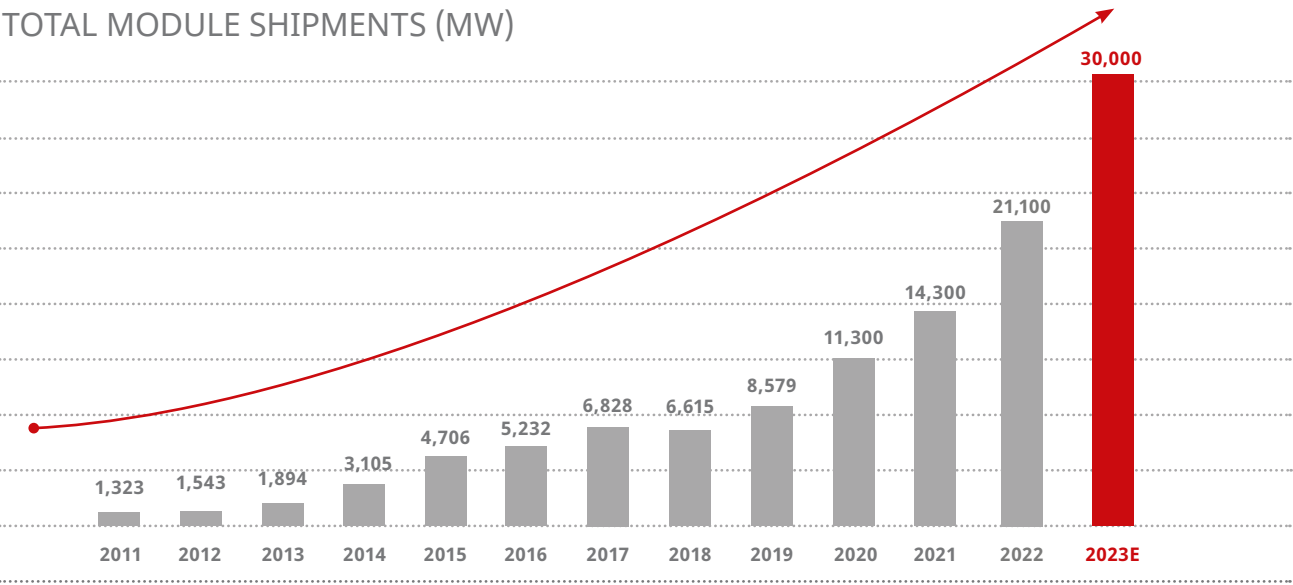
*Corporate Sr. Vice President, Global
Sales, Module and System Solutions*



CANADIAN SOLAR
EXISTS TO MAKE
THE DIFFERENCE.

COMPANY FACTS

CANADIAN SOLAR HAS BEEN MAKING THE DIFFERENCE FOR 22 YEARS BY BRINGING A TOTAL OF MORE THAN 104GW OF SOLAR CAPACITY TO OUR CUSTOMERS WORLDWIDE.



BUSINESS MODEL OVERVIEW

CANADIAN SOLAR'S CORE BUSINESS



Silicon Production

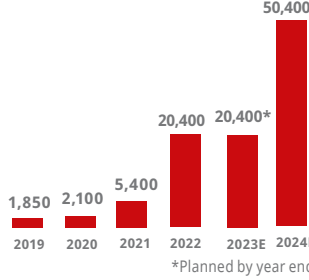


Ingots

Mono- & Polycrystalline

CSI Solar plans to build a facility with an annual capacity of approximately 50,000 tons of high-purity polysilicon later in 2022 and the facility is expected to commence production in mid-2024.

MANUFACTURING CAPACITY (MW)

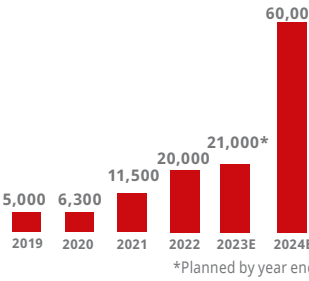


Wafers

Mono- & Polycrystalline

As modules with larger wafers were gaining market share quickly, we continued to launch high power modules with both 182 mm wafers for residential market and 210 mm wafers for large-scale projects.

MANUFACTURING CAPACITY (MW)

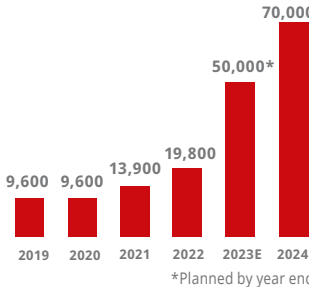


PV Cells

Mono- & Polycrystalline

CSI Solar may build more manufacturing facilities, including ingots, wafers, cells, modules, and other auxiliary materials in Haidong, China.

MANUFACTURING CAPACITY (MW)

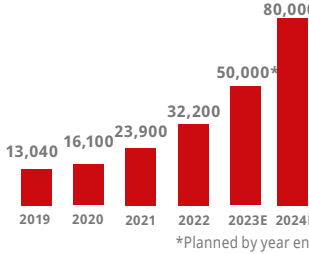


PV Modules

Mono- & Polycrystalline

A new research and production pilot line for Heterojunction ("HJT") solar cells and modules, and the development of TOPCon technology, which uses in-house developed N-type mono-silicon ingots and wafers.

MANUFACTURING CAPACITY (MW)



Systems and Solutions

String inverters, MV stations, connectors, and residential energy storage solutions.



Energy Storage Solutions

The battery storage solutions team provides customers with competitive turnkey, integrated battery storage solutions, including bankable and fully wrapped capacity and performance guarantees.

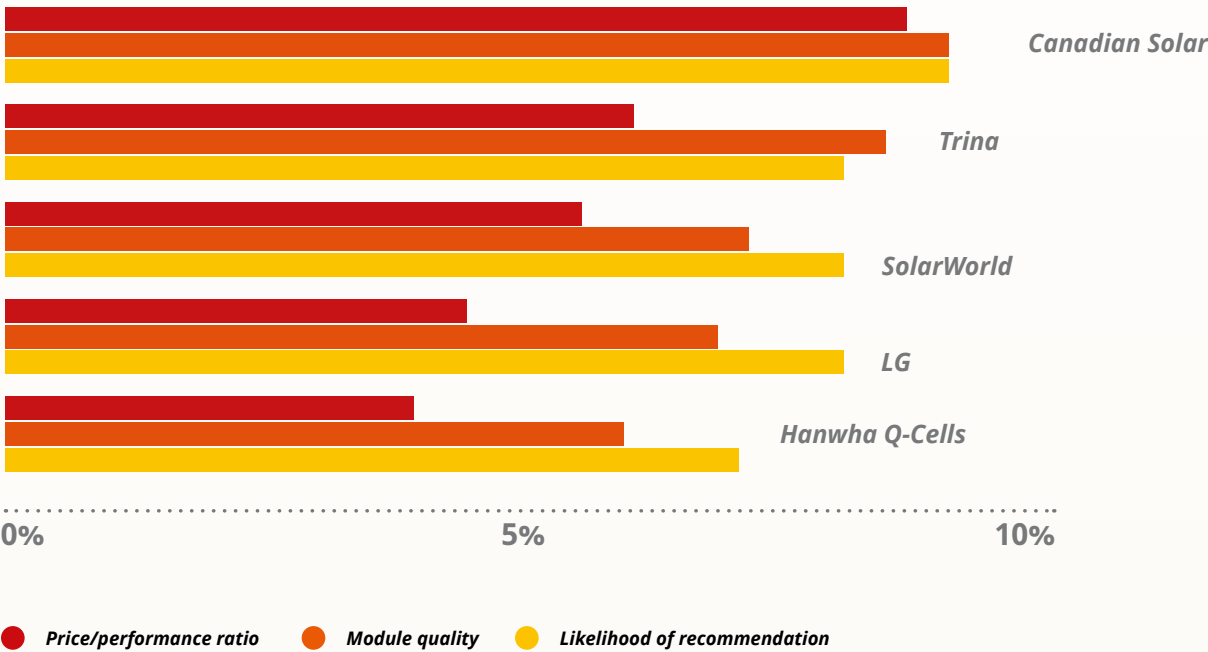


ONE OF THE MOST
BANKABLE SOLAR
COMPANIES
WORLDWIDE

TOP BRAND FOR PRICE/PERFORMANCE RATIO
& HIGHEST MODULE QUALITY

VERIFIED BY IHS

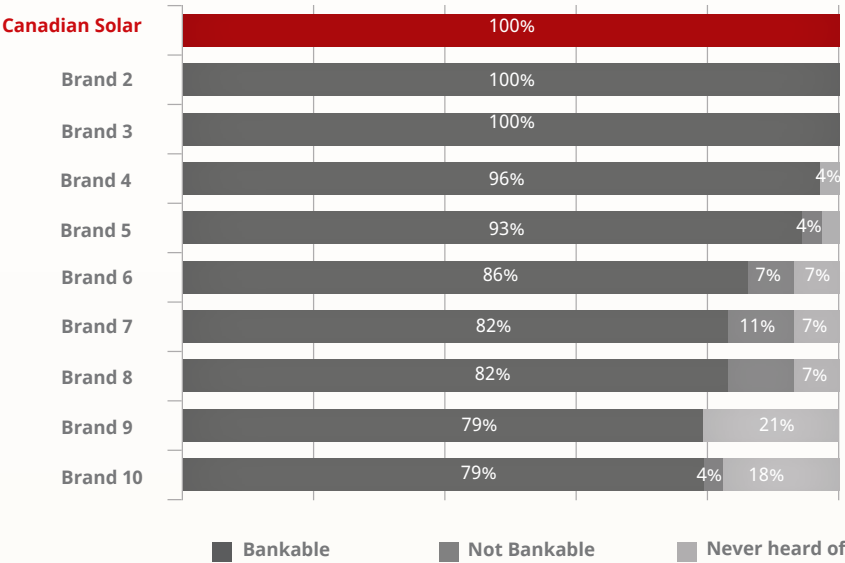
Brand for price/performance ratio, Highest module quality verified by IHS. Canadian Solar was confirmed as the module brand with the best price/performance ratio, the highest module quality and the highest likelihood of being recommended.



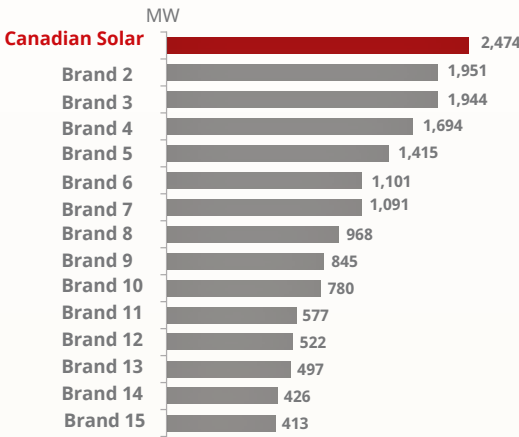
IHS Markit® Source: IHS PV Module Customer Insight Survey 2016

WORLD LEADING BANKABLE BRAND

BLOOMBERGNEF'S PV MODULE BANKABILITY SURVEY RESULTS, TOP 10, 2022



TOP 15 PV MODULE BRANDS
USED IN TERM-LOAN FINANCED
PROJECTS AFTER JULY 1, 2018



BloombergNEF

No. 1 of Tier 1 Solar Panel
Manufacturer in the world



Top A-Rated bankable
PV module supplier

*100% of respondents surveyed by BloombergNEF considered Canadian Solar's modules bankable. Respondents include banks, funds, EPC contractors, independent power providers (IPPs) and technical advisors. The survey based on the respondents' perception, not BNEF



STRONG LOCAL SALES AND PROJECT TEAM

MULTI-FACETED, MULTI-CULTURAL, MULTI-TALENTED

The headquarter of Canadian Solar’s energy and sales business in Australia is in Melbourne. Those highly skilled and motivated employees within our Australian team encompass all relevant functions: project development, sales including key accounts and regional sales, business development, finance, technical, marketing, operations and legal affairs. With all this talent in-house, we can offer our customers the full range of services, from presale consultation and system design to after-sale service and training.

Moreover, our team brings together people of more than 10 different nationalities, ensuring that we have the cultural competence to understand and serve customers across Australia. This rich diversity also makes our Melbourne office a great place to work.

MISSION



Lead the energy revolution and create a bright future together!

VISION



Power the world with solar energy and create a better and cleaner earth for future generations.

CORE VALUES



BALANCE



PLAY



RESPECT



UNITY

AUSTRALIA OVERVIEW



BEGAN BUSINESS IN AUSTRALIA IN 2011



AUSTRALIA HQ IN MELBOURNE



4 OFFICES, 5 WAREHOUSES IN AUSTRALIA



MOST RECOMMENDED SOLAR COMPANY



EXTENSIVE EXPERIENCE AND EXPERTISE ACROSS ALL FUNCTIONS



50+ LOCAL EXPERTS SERVING ALL

*ACCORDING TO IHS MARKIT

QUALITY AND SERVICE

ROBUST CONSTRUCTION IN ACCORDANCE WITH THE HIGHEST QUALITY STANDARDS GIVES OUR SOLAR PANELS OUTSTANDING LONGEVITY



**478 QUALITY POINTS
PROVIDE YOUR
SYSTEMS OUTSTANDING
LONGEVITY**

Solar projects typically have a designed operating lifetime of 25 years. Our products have the longevity to meet these demands. We conduct rigorous in-house testing in our own laboratories to ensure durability and regularly submit our products to the world’s leading independent testing institutes, including the Fraunhofer Society and TÜV Labs. We’ve adapted the stringent quality-management systems of the automotive industry to PV manufacturing and check every one of our products at 478 different points along the manufacturing process to ensure their quality. And we comply with a wide range of internationally recognised standards for quality and environmental management.

QUALITY CONTROL MEETS HIGHEST INTERNATIONAL AND AUSTRALIAN STANDARDS



Canadian Solar is committed to continually developing high quality products that you can trust. On top of our industry leading R&D team, designing innovative solar PV modules, we have stringent quality control criteria to ensure that Canadian Solar products consistently exhibit the exceptional quality we are renowned for.

With 478 quality control points across all areas of the product realisation process, from the incoming material inspection to delivery, Canadian Solar stands out in the

solar industry; continually developing new and more efficient technology without compromising on the panel quality.

These quality control points are consistently applied in all of our factories globally, so that our customers can be sure that no matter where they are, their Canadian Solar panels uphold our commitment to reliability and excellence.

NEWEST TECHNOLOGY

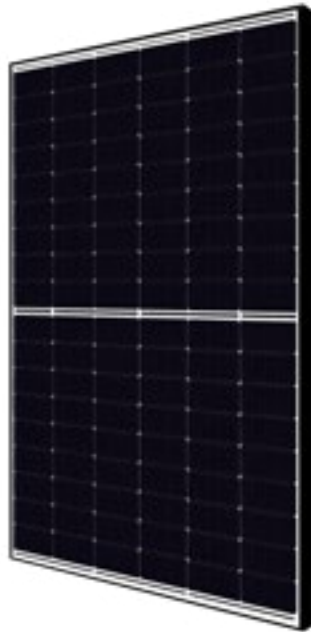
12 years
25 years
30 years*

INTRODUCING OUR LATEST N-TYPE MODULE PORTFOLIOS

TOPHiKu6 CS6R-T



25 years
30 years*



TOPCon 108 cells: 440W,
Efficiency: 22.5%



N-Type TOPCon technology



Perfect for residential application



High energy yield and low power degradation



25-year product warranty*
30-year power performance warranty*

HiHero CS6R-H-AG



HiKu6 CS6R-MS / CS6W-MS



High Efficiency Heterojunction Cell Technology 108 cell: 445W,
Efficiency: 22.8 %



Excellent power output



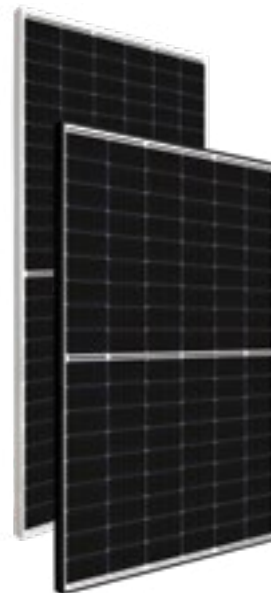
Module efficiency up to 22.8%, maximise the use of rooftop space



High efficiency Heterojunction Cell Technology



25-year product and 30-year power performance warranty



Mono PERC Module 108 Cell: 420W,
Efficiency: 21.5%
Mono PERC Module 144 Cell: 555W,
Efficiency: 21.5%



LCOE 4.5% lower than industry average



Reduces balance of system cost by 5.6%



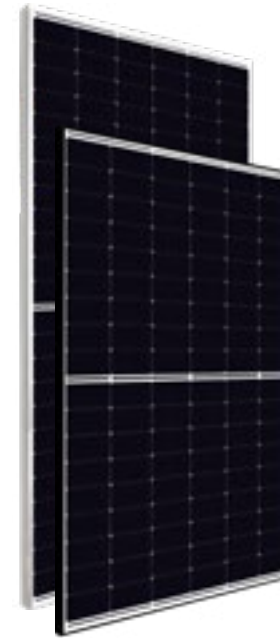
Compatible with mainstream trackers.



Up to 50% lower degradation with LID/LeTID mitigation technology

INDUSTRY LEADING DUAL-CELL, BIFACIAL, HJT & TOPCON WAFER MODULES

TOPHiKu6 CS6.1-54TD / CS6.1-72TD



TOPCon 108 cell: 470W,
Efficiency: 23%
TOPCon 144 cell: 620W,
Efficiency: 23%



N-Type TOPCon technology



Perfect for residential and commercial applications

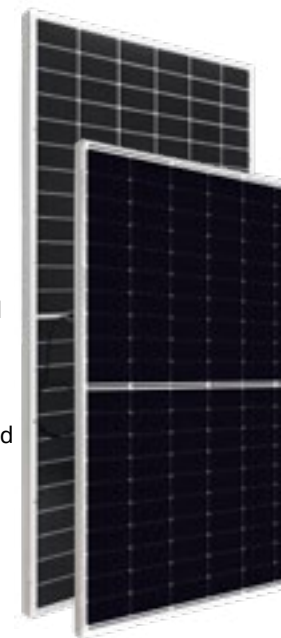


Lower operating temperature and advanced low-light performance



30-year power performance warranty*

TOPBiHiKu6 CS6.1-60TB / CS6.1-72TB



TOPCon 120 cell: 515W,
Efficiency: 22.8%
TOPCon 144 cell: 615W,
Efficiency: 22.8%



Lower LCOE and system cost



Excellent module efficiency



Up to 85% Power Bifaciality, more power from the back side



Lower temperature coefficient - better performance in hot climate

BiHiKu7 CS7L-MB-AG / CS7N-MB-AG



Mono PERC Module 120 cell: 610W,
Efficiency: 21.6%
Mono PERC Module 132 cell: 670W,
Efficiency: 21.6%



Up to 8.9 % lower LCOE. Up to 4.6 % lower system cost



Up to 50% lower degradation with LID/LeTID mitigation technology

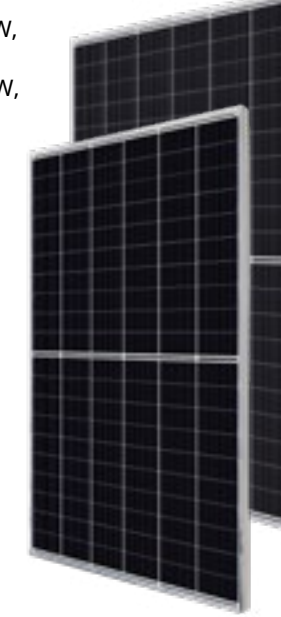


Compatible with mainstream trackers



30-year linear performance warranty

TOPBiHiKu7 CS7L-TB-AG / CS7N-TB-AG



Bifacial TOPCon 120 cells: 635W,
Efficiency: 22.4%
Bifacial TOPCon 132 cells: 695W,
Efficiency: 22.4%



N-Type TOPCon technology



Up to 85% Power Bifaciality, more power from the back side



Excellent anti-LeTID & anti-PID performance



Lower LCOE & system cost

* Subject to the terms and conditions contained in the applicable Canadian Solar Limited Warranty Statement.

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CANADIAN SOLAR MOVES TOWARDS OFFERING A FULL SUITE OF SYSTEM SOLUTIONS, ENABLING US TO SERVE YOU AS A ONE-STOP SHOP.

Single Phase String Inverter

CSI-5/7/8/9K-1P



5+5
years *



Support high current PV modules with 15A and Dual maximum power



Max efficiency up to 98.1%, Wide input voltage range



Integrated DC Switches



Flexible communication connection: supports RS 485, Wifi



Compact design and lightweight. Only one person required for installation

Three Phase String Inverter

CSI-15/17/20/23/25KW



5+5
years *



Maximum efficiency of 98.8%
Maximum EU efficiency of 98.0%



2 MPPTs to achieve higher system efficiency



16A input for each string, perfectly match with TOPHiKu6 modules



Integrated DC Switches

EP CUBE

Residential Energy Storage System



10
years *



All-in-one design
Integrated hybrid inverter, supports DC and AC coupled PV



Safe and reliable
Safer LiFePO4 batteries, meeting the UL 9540A unit level test performance criteria



Big or small, up to you
Modular battery system, easy to install and transport



Power guarantee
Automates power supply in outages

COMING SOON

SOLBANK 2.0

Energy Storage System
0.78 - 1.545 MW, 3.13 MWH



e-STORAGE
A subsidiary of Canadian Solar



Thorough design for the highest fire safety and explosion prevention



Extended battery life with proven long-life track record cells and 20 years warranty



Reduced onsite work, all components shipped with the product



Advanced battery management with centralised control, helps optimise the balance of the product

COMING SOON

* Subject to the terms and conditions contained in the applicable Canadian Solar Limited Warranty Statement.

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PROJECT DEVELOPMENT PIPELINE

GLOBALLY DIVERSIFIED PROJECTS

CANADIAN SOLAR HAS DEVELOPED AND BUILT LARGE-SCALE SOLAR PROJECTS FOR CUSTOMERS ACROSS THE GLOBE. OUR PROJECTS HAVE EARNED A REPUTATION FOR DELIVERING THE HIGHEST ENERGY YIELD AND RETURN ON INVESTMENT.

**RECURRENT
ENERGY**
A subsidiary of Canadian Solar

1. NORTH AMERICA

6,623MW IN SOLAR PROJECTS
18,645MWh STORAGE PROJECTS



CRIMSON, USA

Storage project size: 350 MW / 1,400 MWh

2. LATAM

4,838MW IN SOLAR PROJECTS
3,125MWh STORAGE PROJECTS



HOPLESS, UK

Power generation: 10.3 MW



KEETMANSHOOP, NAMIBIA

Power generation: 6 MW

4. CHINA

3,545MW IN SOLAR PROJECTS
7,500MWh STORAGE PROJECTS

3. EMEA

7,954MW IN SOLAR PROJECTS
19,297MWh STORAGE PROJECTS



AZUMA KOFUJI, JAPAN

Power generation: 100 MW



SUNTOP, AUSTRALIA

Power generation: 189 MW

5. JAPAN

188MW IN SOLAR PROJECTS
1,054MWh STORAGE PROJECTS

6. APAC (EXCL. JAPAN AND CHINA)

1,841MW IN SOLAR PROJECTS
2,118MWh STORAGE PROJECTS

PROJECT REFERENCES AUSTRALIA



1. NORMANTON SOLAR FARM, QLD
Module: CS6X-P
Power generation: 5 MW



2. IKEA NATIONAL PROJECT, VIC, NSW & QLD
Module: CS6X-P and CS6P-P
Power generation: 3.6 MW



3. SHELLHARBOUR SHOPPING CENTRE, NSW
Module: CS6P-P
Power generation: 1.2 MW



8. FINLEY SOLAR FARM, NSW
Module: CS3U-P
Power generation: 175 MW



10. GUNNEDAH SOLAR FARM, NSW
Module: CS3W-MB-AG
Power generation: 146 MW



4. SYDNEY CONVENTION CENTRE, NSW
Module: CS6P-P-SD
Power generation: 521 kW



5. LONGREACH SOLAR FARM, QLD
Module: CS6U-M
Power generation: 17.4 MW



6. OAKLEY SOLAR FARM, QLD
Module: CS6U-M, CS3U-P
Power generation: 100 MW



7. DARLINGTON POINT SOLAR FARM, NSW
Module: CS3W-P, CS3W-PB-AG
Power generation: 333.48 MW



9. SUNTOP SOLAR FARM, NSW
Module: CS3W-MB-AG
Power generation: 189 MW



CONTACT

CANADA (GLOBAL HEADQUARTERS)

Canadian Solar Inc.
545 Speedvale Avenue, West Guelph
Ontario, Canada N1K 1E6
TEL +1 (0) 519 837 1881
E-MAIL sales@canadiansolar.com

CHINA

CSI Solar Co., Ltd.
199 Lushan Road, SND,
Suzhou, Jiangsu, China 215129
TEL +86 (512) 6690 8088
E-MAIL info@csisolar.com

AUSTRALIA

Canadian Solar MSS (Australia) Pty Ltd.
Attention: Creative Cubes Co
333 Drummond Street
Carlton VIC 3053, Australia
TEL +61 (03) 8609 1844
E-MAIL sales.au@csisolar.com

www.csisolar.com/au