



## PV & ENERGY STORAGE SOLUTIONS

As a single source for modules, inverters, accessories, storage and related turnkey solutions Canadian Solar simplifies the procurement process with a unified contract, credit process, and invoice, as well as coordinated logistics. All from a supplier that understands and innovates solar.

Canadian Solar was founded in 2001 in Canada and is one of the world's largest solar technology and renewable energy companies. It is a leading manufacturer of solar photovoltaic modules, provider of solar energy and battery storage solutions,

and developer of utility-scale solar power and battery storage projects. Canadian Solar EMEA GmbH has a strong local presence within Europe, Middle East and Africa, with MSS headquarter in Munich, Germany.

## Contact

**EMEA Headquarters – Germany: Canadian Solar EMEA GmbH**

Radlkofnerstrasse 2, 81373 Munich, Germany ☎ +49 (0) 89 59 9689 0 ✉ [sales.emea@csisolar.com](mailto:sales.emea@csisolar.com)





## PV and Energy Storage Solutions

Discover the endless possibilities of Canadian Solar's wide PV & Energy Storage Offerings.

RESIDENTIAL

C&I

UTILITY



### Available Services:



Fully **Customisable Services** for C&I PV System Design Solutions - from Design to Commissioning & Financing.



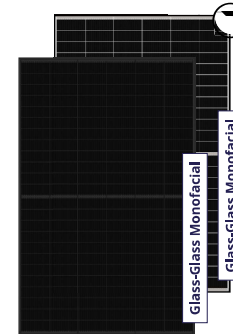
**Turnkey Solutions** for C&I Storage Projects - from Planning and Procurement to System Integration, Commissioning, and long-term Support.



Full **Service Solution for Utility-Scale Application** with a comprehensive system scope, an end-to-end lifecycle approach and core service pillars.

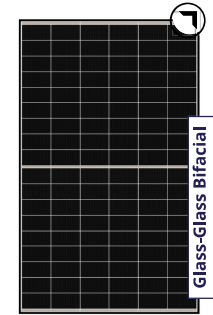
## Modules for Rooftops and C&I Applications

YOU MIGHT BE INTERESTED IN:  
PV AND ENERGY STORAGE SOLUTIONS  
FROM ONE SOURCE



### TOPHiKu6

CS6.2-48TD All-Black  
CS6.2-48TD Black Frame

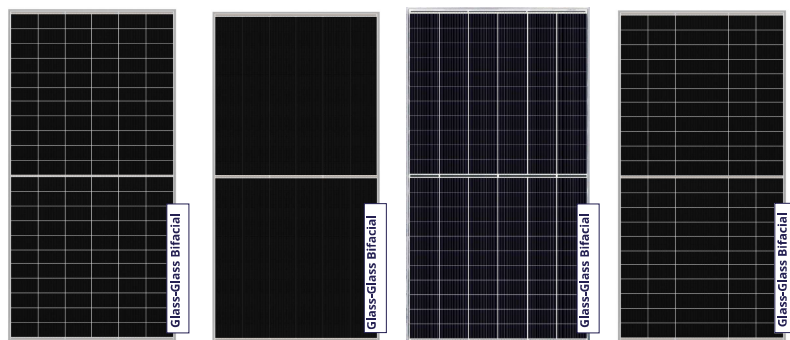


### TOPBiHiKu6

CS6.2-54TB Black Frame

|                                |                                                          |                                               |
|--------------------------------|----------------------------------------------------------|-----------------------------------------------|
| Wattage                        | CS6.2-48TD All-Black: 440-470 W<br>CS6.2-48TD: 445-475 W | 505-535 W                                     |
| Efficiency                     | CS6.2-48TD All-Black: 23.5 %<br>CS6.2-48TD: 23.8 %       | 24.1 %                                        |
| Cells                          | 48 x 182 Pro triple-cut<br><b>n-type TOPCon</b>          | 54 x 182 Pro half-cut<br><b>n-type TOPCon</b> |
| Dimensions                     | 1762 x 1134 x 30 mm                                      | 1961 x 1134 x 30 mm                           |
| Weight                         | 24.6 kg                                                  | 27 kg                                         |
| Pcs per Pallet / Container     | 36 / 936                                                 | 36 / 864                                      |
| Temperature coefficient (Pmax) | -0.29 % / °C                                             | -0.29 % / °C                                  |
| Bifaciality factor             |                                                          | 80±5 %                                        |
| Warranties                     |                                                          |                                               |
| Product                        | 25 years                                                 | 15 yrs                                        |
| Performance                    | 30 years (87.4 %, 1 + 0.4 %)                             | 30 years (87.4 %, 1 + 0.4 %)                  |
| Especially suitable for        | Residential and Commercial                               | Residential and Commercial                    |

## Modules for C&I and Utility Applications



**TOPBiHiKu6**  
CS6.2-66TB

**TOPBiHiKu6**  
CS6.3-66TB

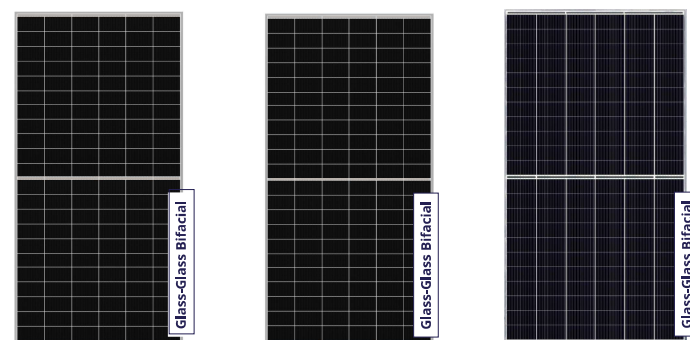
**TOPBiHiKu7**  
CS7N-TB-AG

**HiHero**  
CS6.2-66HB

|                                       |                                          |                                            |                                          |                                         |
|---------------------------------------|------------------------------------------|--------------------------------------------|------------------------------------------|-----------------------------------------|
| <b>Wattage</b>                        | 630-660 W                                | 645-670 W                                  | 725-750 W                                | 625-660 W                               |
| <b>Efficiency</b>                     | 24.4 %                                   | 24.8 %                                     | 24.1 %                                   | 24.4 %                                  |
| <b>Cells</b>                          | 66 x 182 Pro half-cut n-type TOPCon      | 66 x 182 Pro multi-cut n-type TOPCon       | 66 x 210 mm half-cut n-type TOPCon       | 66 x 182 Pro half-cut n-type HJT        |
| <b>Dimensions</b>                     | 2382 x 1134 x 30 mm                      | 2382 x 1134 x 30 mm                        | 2384 x 1303 x 33 mm                      | 2382 x 1134 x 30 mm                     |
| <b>Weight</b>                         | 32.8 kg                                  | 32.8 kg                                    | 37.8 kg                                  | 32.8 kg                                 |
| <b>Pcs per Pallet / Container</b>     | 36 / 720                                 | 36 / 720                                   | 33 / 594                                 | 36 / 720                                |
| <b>Temperature coefficient (Pmax)</b> | -0.29 % / °C                             | -0.26 % / °C                               | -0.29 % / °C                             | -0.24 % / °C                            |
| <b>Bifaciality factor</b>             | 80±5 %                                   | 85±5 %                                     | 80±5 %                                   | 90±5 %                                  |
| <b>Warranties</b>                     | 12 years<br>30 years (87.4 %, 1 + 0.4 %) | 12 years<br>30 years (88.85 %, 1 + 0.35 %) | 12 years<br>30 years (87.4 %, 1 + 0.4 %) | 15 years<br>30 years (90.3%, 1 + 0.3 %) |
| <b>Especially suitable for</b>        | Commercial and Utility                   | Commercial and Utility                     | Commercial and Utility                   | Commercial and Utility                  |

## Special Modules

YOU MIGHT BE INTERESTED IN:  
PV AND ENERGY STORAGE SOLUTIONS  
FROM ONE SOURCE



**TOPBiHiKu6**  
CS6.2-66TB-H1  
CS6.2-66TB Aesthetics

**TOPBiHiKu6**  
CS6.2-66TB-HP

**TOPBiHiKu7**  
CS7N-TB-AG

|                                       |                                                                                     |                                                                 |                                          |
|---------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------|
| <b>Wattage</b>                        | 630-660 W                                                                           | 630-660 W                                                       | 725-750 W                                |
| <b>Efficiency</b>                     | 24.4 %                                                                              | 24.4 %                                                          | 24.1 %                                   |
| <b>Cells</b>                          | 66 x 182 Pro half-cut n-type TOPCon                                                 | 66 x 182 Pro half-cut n-type TOPCon                             | 66 x 210 mm half-cut n-type TOPCon       |
| <b>Dimensions</b>                     | CS6.2-66TB-H1: 2382 x 1134 x 35 mm<br>CS6.2-66TB Aesthetics: 2382 x 1134 x 30 mm    | 2382 x 1134 x 35 mm                                             | 2384 x 1303 x 35 mm                      |
| <b>Weight</b>                         | CS6.2-66TB-H1: 33.1 kg<br>CS6.2-66TB Aesthetics: 32.8 kg                            | 40.6 kg                                                         | 37.9 kg                                  |
| <b>Pcs per Pallet / Container</b>     | CS6.2-66TB-H1: 31 / 620<br>CS6.2-66TB Aesthetics: 36 / 720                          | 31 / 558                                                        | 31 / 558                                 |
| <b>Temperature coefficient (Pmax)</b> | -0.29 % / °C                                                                        | -0.29 % / °C                                                    | -0.29 % / °C                             |
| <b>Bifaciality factor</b>             | 80±5 %                                                                              | 80±5 %                                                          | 80±5 %                                   |
| <b>Warranties</b>                     | 12 years<br>30 years (87.4 %, 1 + 0.4 %)                                            | 12 years<br>30 years (87.4 %, 1 + 0.4 %)                        | 12 years<br>30 years (87.4 %, 1 + 0.4 %) |
| <b>Unique Benefits</b>                | CS6.2-66TB-H1: <b>Higher loads</b><br>CS6.2-66TB Aesthetics: <b>Composite Frame</b> | <b>Fire Class A</b><br><b>55 mm hail</b><br><b>Higher loads</b> | <b>Higher loads</b>                      |
| <b>Especially suitable for</b>        | Commercial and Utility                                                              | Commercial and Utility                                          | Commercial and Utility                   |

## String Inverters

### 100-120 kW Commercial



Nominal Power: 100/110/120 kW  
Three-Phase LV 400 V

#### Key Features:

- Maximum efficiency up to 98.5 %
- 6/9 MPPTs – 12/18 Strings-Input (32 A-40 A) with wide voltage range of 200 - 1000 V<sub>oc</sub>
- Real-time monitoring with Canadian Solar Smart Energy Platform

### 250-350 kW Utility Scale



Nominal Power: 250/333/350 kW  
Three-Phase MV 800 V

#### Key Features:

- Maximum efficiency up to 99.01 %
- 12/16 MPPTs – 24/32 Strings-Input (32 A-40 A) with wide voltage range of 500 - 1500 V<sub>oc</sub>
- Real-time monitoring with Canadian Solar Smart Energy Platform

\* Please contact your sales representative for the availability in your region.

## Energy Storage Systems

### EP Cube\*

#### All-in-one Energy Storage Solution

More flexible and more intelligent than ever, this all-in-one solution works with both new and existing solar installations and includes advanced Smart Home functionality. Homeowners can optimize their energy use through the intelligent management of household appliances, aligning consumption with solar production, energy prices, and weather forecasts. The result: lower energy costs, greater comfort, and a reduced environmental footprint.

#### Key Features:

- Integrated hybrid inverter supporting both DC and AC input
- Safe and reliable LFP battery technology
- Stackable design with plug-and-play connectors for quick and easy installation
- Real-time monitoring and Smart Home control via HMI and App



**Single-phase:**  
Inverter AC Power: up to 7.6 kW  
Battery Storage Capacity: up to 20 kWh



**Three-phase:**  
Inverter AC Power: up to 12 kW  
Battery Storage Capacity: up to 40 kWh

**10 years**  
**STANDARD WARRANTY**

### KuBank 2.0 and 3.0\*

#### Energy Storage System for C&I and light Utility Applications

KuBank is a pioneering all-in-one energy storage solution adapted perfectly to the requirements of commercial and industrial applications. Featuring an integrated inverter and BMS, and engineered with a modular design, it allows multiple units to be connected in parallel, today and in the future. Whether used for demand management or peak shaving, KuBank is the optimal energy storage solution for C&I systems and is adaptable to different usage scenarios.

YOU MIGHT BE INTERESTED IN:  
PV AND ENERGY STORAGE SOLUTIONS  
FROM ONE SOURCE



#### KuBank 2.0\*

Power: 125 kW / Capacity: 277 kWh



#### KuBank 3.0\*

Power: 418 kW / Capacity: 836 kWh



Coming soon  
Q1/2027

#### Key Features:

- Integrated, modular design with convenient installation and flexible commissioning.
- Built-in peak shaving, demand management and other operational control modes.
- Active balancing BMS on pack and rack level, releasing more energy and extending the lifespan.
- Multi-stage thermal management technology prevents heat spread and improves safety.
- Liquid cooling technology with cell temperatures being controlled within the optimal operating range, temperature difference < 3°C

Canadian Solar offers complete Turnkey Solutions - from Planning and Procurement to System Integration, Commissioning, and long-term Support.

### SolBank\*

#### Utility Energy Storage System

SolBank is a flexible, dedicated, simple and cost-effective MWh-scale battery energy storage system. Multiple Storage Block units can be expanded in parallel to meet today's energy storage needs and to be prepared for upcoming requirements.



#### Key Features:

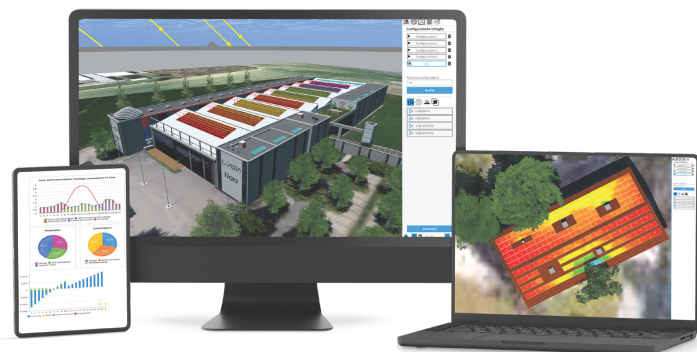
- 314 Ah LFP cell leads to high energy density
- Multi-stage thermal spread protection technology
- Active balancing BMS releases more energy and extends the life of the system
- Liquid cooling technology with design redundancy, cell temperature controlled within the optimal operating range
- SolBank 3.0: Power: 1.2 – 2.35 MW  
Capacity: 5 MWh
- SolBank 4.0: Power: 0.78 – 3.125 MW  
Capacity: 6.25 MWh

\* Please contact us for related Turnkey PV + BESS Solutions and check with your sales representative for the availability of KuBank and SolBank in your region.



# Canadian Solar Design Tool

Take your projects to the next level!



Save time and costs by effortlessly planning new and already existing solar projects in Canadian Solar's String Sizer and create precise designs with our 3D Tool – all within minutes.

Visit our website at :

 <https://www.csisolar.com/emea/canadian-solar-design-tool-2/>

## Key Features:



Accurate Sizing



Weather Adaptation



Regulatory Compliance



Real-Time Simulation



Cost Saving



Scalability



Detailed shading analysis



Automated Reports

## Project References

### PV and Energy Storage



**62 MW Guadacano Spain**  
Utility Solar Plant



**4.7 MW Johannesburg SSA**  
Mall of Africa Commercial Solar Rooftop



**500 kW Johannesburg, South Africa**  
Commercial Rooftop



**7.6 kW + 9.9 kWh**  
**Madrid, Spain**  
Residential Energy Storage



**8 x 277 kWh**  
**Valencia, Spain**  
Commercial Energy Storage



**140.25 MW + 561 MWh**  
**Slate, USA**  
Utility Energy Storage Plant