



MSS EMEA PORTFOLIO



SOLAR ENERGY SOLUTIONS FROM ONE SOURCE

As a single source for modules, inverters, storage and accessories, 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.



Technology-Agnostic Cell & Module Manufacturing Capacity

Canadian Solar's strategy is to expand capacity and increase the level of vertical integration, in order to increase global market share through and ensure highest quality standards and control.

In-house wafer capacity will almost double. More than 90% of Canadian Solar's module capacity will be supplied by in-house cells. N-Type TOPCon will comprise nearly 80% of total cell capacity by year end.

Canadian Solar Manufacturing Capacity, by year-end 2024E (GW)

Ingot	25 GW
Wafer	31 GW
Cell	48 GW
Module	61 GW

100% Renewable energy powered operations by 2030



GHG Emissions Intensity* reduced by 51%



Manufacturing Energy Intensity* reduced by 51%



Manufacturing Water Intensity* reduced by 76%



Manufacturing Waste Intensity* reduced by 63%

* the above mentioned intensity reductions are expected to be achieved by 2028 with 2017 as base year.

International ESG Initiatives and Recognitions



ISS ESG Prime Rating, Industry Top 5% (2024)



EcoVadis Silver Sustainability Rating, Industry Top 5% (2024)



Achilles ESG Assessment Excellent Rating



Environmental Finance Green Project Bond of the Year (2024)



UNEP Seal of Excellence for Sustainability (2024)



United Nations Global Compact Active Participant



Solar Stewardship Initiative Membership (2024)



Environmental Finance Sustainability Reporting of the Year (2023)



Science Based Targets Initiatives Near term and Net Zero Targets committed



RBA VAP Audits In Progress (2024)

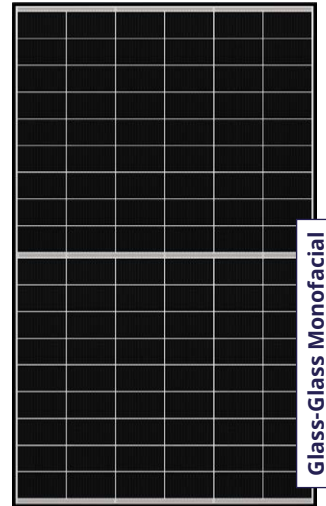
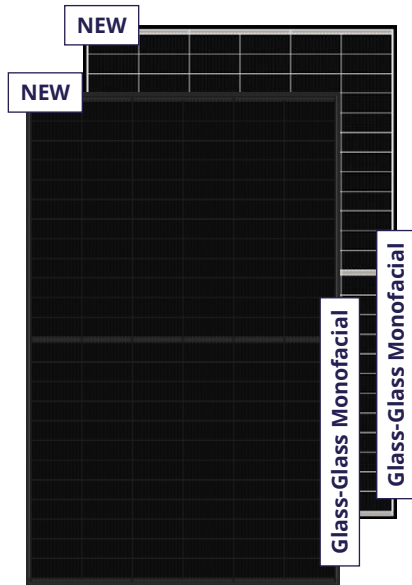


CDP Climate Change disclosure

Download the 2023 ESG Report



Modules for Rooftop Applications

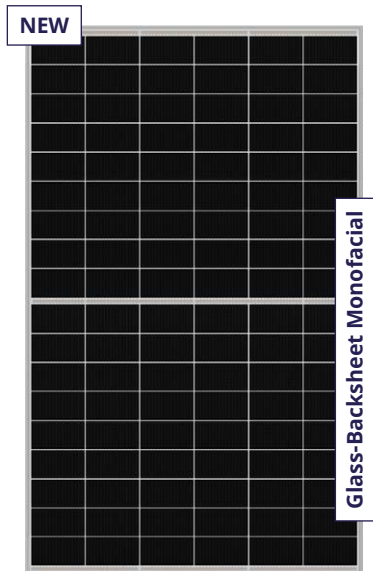


TOPHiKu6
CS6.2-48TD All-Black
CS6.2-48TD

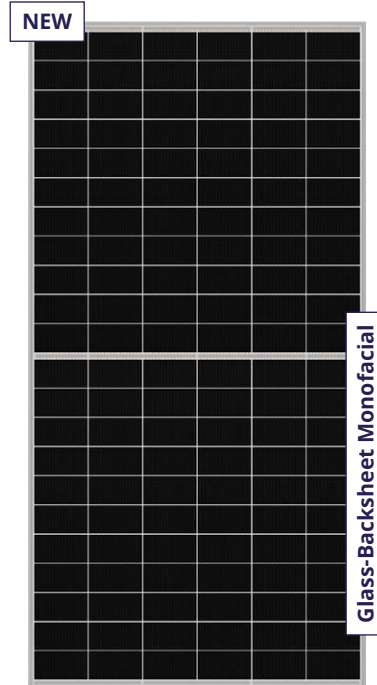
TOPHiKu6
CS6.1-54TD

Wattage	CS6.2-48TD All-Black: 430-455 W CS6.2-48TD: 435-460 W	445-475 W
Efficiency	CS6.2-48TD All-Black: 22.8 % CS6.2-48TD: 23 %	23.3 %
Cells	48 x 182 Pro triple-cut n-type TOPCon , 14 Busbars	54 x 182 Plus half-cut n-type TOPCon , 16 Busbars
Dimensions	1762 x 1134 x 30 mm	1800 x 1134 x 30 mm
Weight	24.6 kg	22.7 kg
Pcs per Pallet / Container	36 / 936	35 / 840
Temperature coefficient (Pmax)	-0.29 % / °C	-0.29 % / °C
Warranties		
Product	15 / 25** years	12 / 25* years
Performance	30 years (87.4 %, 1 + 0.4 %)	30 years (87.4 %, 1 + 0.4 %)
Especially suitable for	Residential and Commercial	Residential and Commercial

* for Black Frame and All-Black when sold and installed on rooftops in Europe



TOPHiKu6
CS6.2-54TM

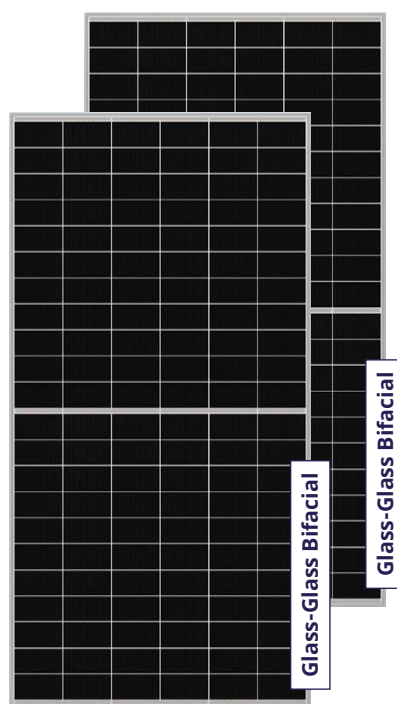
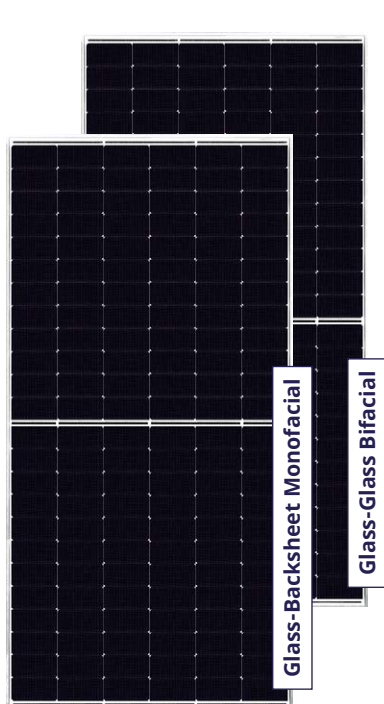


TOPHiKu6
CS6.2-66TM

Wattage	490-520 W	595-635 W
Efficiency	23.4 %	23.5 %
Cells	54 x 182 Pro half-cut n-type TOPCon , 16 Busbars	66 x 182 Pro half-cut n-type TOPCon , 16 Busbars
Dimensions	1961 x 1134 x 30 mm	2382 x 1134 x 30 mm
Weight	23.3 kg	28.1 kg
Pcs per Pallet / Container	35 / 840	36 / 720
Temperature coefficient (Pmax)	-0.29 % / °C	-0.29 % / °C
Warranties		
Product	15 / 25** years	12 years
Performance	30 years (87.4 %, 1 + 0.4 %)	30 years (87.4 %, 1 + 0.4 %)
Especially suitable for	Residential and Commercial	Commercial and Utility

** for Black Frame and All-Black when sold and installed on rooftops

Modules for C&I and Utility Applications



TOP(Bi)HiKu6

CS6W-T

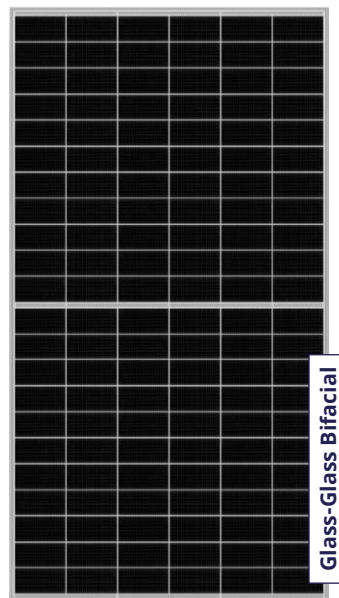
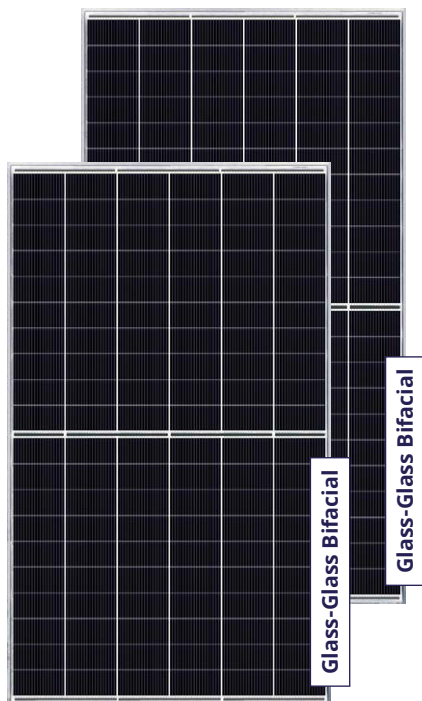
CS6W-TB-AG Bifacial

TOPBiHiKu6

CS6.2-66TB

CS6.2-66TB-H1 Bifacial

Wattage	CS6W-T: 570-600 W CS6W-TB-AG: 565-600 W	595-630 W
Efficiency	CS6W-T: 23.2 % CS6W-T-AG: 23.0 %	23.3 %
Cells	72 x 182 mm half-cut n-type TOPCon , 16 Busbars	66 x 182 Pro half-cut n-type TOPCon , 16 Busbars
Dimensions	2278 x 1134 x 30 mm	CS6.2-66TB: 2382 x 1134 x 30 mm CS6.2-66TB-H1: 2382 x 1134 x 35 mm
Weight	CS6W-T: 27.6 kg CS6W-TB-AG: 32.3 kg	CS6.2-66TB: 32.8 kg CS6.2-66TB-H1: 33.1 kg
Pcs per Pallet / Container	35 / 700	CS6.2-66TB: 36 / 720 CS6.2-66TB-H1: 31 / 620
Temperature coefficient (Pmax)	-0.29 % / °C	-0.29 % / °C
Bifaciality factor	CS6W-TB-AG: 80±5%	80±5 %
Warranties		
Product	12 years	12 years
Performance	30 years (87.4 %, 1 + 0.4 %)	30 years (87.4 %, 1 + 0.4 %)
Especially suitable for	Commercial and Utility	Commercial and Utility



TOPBiHiKu7

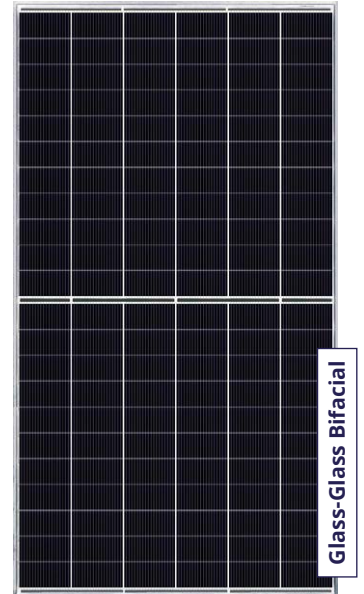
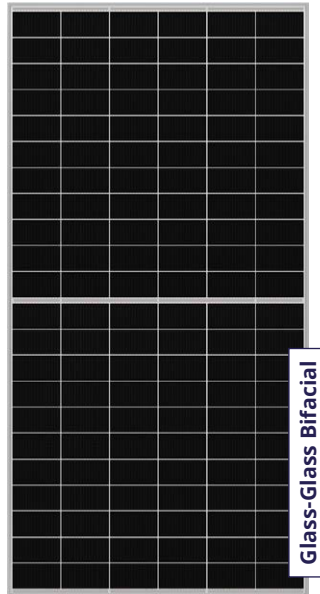
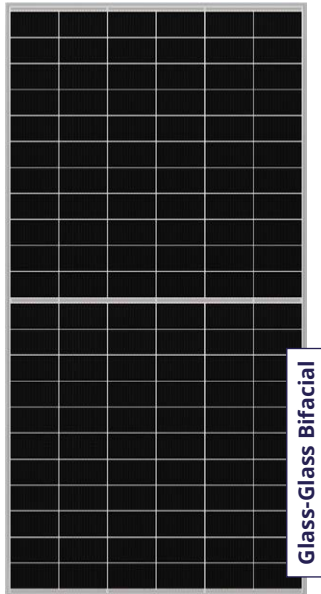
CS7L-TB-AG
CS7N-TB-AG Bifacial

HiHero

CS7-66HB Bifacial

Wattage	CS7L-TB-AG: 620-650 W CS7N-TB-AG: 685-725 W	690-735 W
Efficiency	23.3 %	23.7 %
Cells	60/66 X 210 mm half-cut n-type TOPCon, 18 Busbars	66 x 210 mm half-cut n-type HJT, Zero Busbar Technology
Dimensions	CS7L-TB-AG: 2172 x 1303 x 33 mm CS7N-TB-AG: 2384 x 1303 x 33 mm	2384 x 1303 x 33 mm
Weight	CS7L-TB-AG: 34.5 kg CS7N-TB-AG: 37.8 kg	37.8 kg
Pcs per Pallet / Container	33 / 594	33 / 594
Temperature coefficient (Pmax)	-0.29 % / °C	-0.24 % / °C
Bifaciality factor	80±5 %	85±5%
Warranties		
Product	12 years	15 years
Performance	30 years (87.4 %, 1 + 0.4%)	30 years (88.85 %, 1 + 0.35 %)
Especially suitable for	Commercial and Utility	Commercial and Utility

Special Modules



CS6.2-66TB Anti-Dust

CS6.2-66TB-HP

CS7N-TB-AG

Wattage	595-630 W	595-630 W	685-725 W
Efficiency	23.3 %	23.3 %	23.3 %
Cells	66 x 182 Pro half-cut n-type TOPCon, 16 Busbars	66 x 182 Pro half-cut n-type TOPCon, 16 Busbars	66 x 210 mm half-cut n-type TOPCon, 18 Busbars
Dimensions	2382 x 1134 x 30 mm	2382 x 1134 x 35 mm	2384 x 1303 x 35 mm
Weight	32.8 kg	40.6 kg	37.9 kg
Pcs per Pallet / Container	36 / 720	31 / 558	31 / 558
Temperature coefficient (Pmax)	-0.29 % / °C	-0.29 % / °C	-0.29 % / °C
Bifaciality factor	80±5 %	80±5 %	80±5 %
Warranties			
Product	12 years	12 years	12 years
Performance	30 years (87.4 %, 1 + 0.4 %)	30 years (87.4 %, 1 + 0.4 %)	30 years (87.4 %, 1 + 0.4 %)
Unique Benefits	Less soiling	Fire Class A 50mm hail Higher loads	Higher loads
Especially suitable for	Commercial and Utility	Commercial and Utility	Commercial and Utility

String Inverters




15-25 kW

Commercial



Nominal Power: 15/17/20/23/25 kW
Three-Phase LV 400 V

Key Features:

-  Maximum efficiency up to 98.6%
-  2 MPPTs - 4 Strings-Input (up to 32 A per MPPT) with wide voltage range of 160 - 1000 V_{DC}
-  Real-time monitoring with Canadian Solar Smart Energy Platform




40-60 kW

Commercial



Nominal Power: 40/50/60 kW
Three-Phase LV 400 V

Key Features:

-  Maximum efficiency up to 98.7%
-  3/4/5 MPPTs - 6/8/10 Strings-Input (up to 32 A per MPPT) with wide voltage range of 200 - 1000 V_{DC}
-  Real-time monitoring with Canadian Solar Smart Energy Platform




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_{DC}
-  Real-time monitoring with Canadian Solar Smart Energy Platform




333-350 kW

Utility Scale



Nominal Power: 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_{DC}
-  Real-time monitoring with Canadian Solar Smart Energy Platform

Energy Storage Systems





EP CUBE*

Residential Energy Storage System

The EP Cube is a flexible and intelligent all-in-one home energy storage solution for new and existing solar installations. With unrivalled flexibility and intelligent software management, it is designed to offer a quick and easy installation, simplified logistics, and cost-savings all round to make life easier for homeowners and installers.

10 years **STANDARD WARRANTY**

Key Features:

-  Integrated hybrid inverter supports DC and AC input
-  Stackable via plug & play connectors for quick and easy installation
-  Safe and reliable LFP battery technology
-  Real-time monitoring and intelligent management via App



Single-phase
Inverter AC Power: 7.6 kW
Battery Capacity: 6.6-19.9 kWh



Three-phase
Inverter AC Power: 12 kW
Battery Capacity: 10-40 kWh





KuBank*

Energy Storage System for C&I 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. With its high-quality battery cells and active-balancing BMS on pack and rack level, KuBank stands out as one of the market's most efficient products. procurement process with a unified contract, credit process, and invoice, as well as coordinated logistics. All from a supplier that understands and innovates solar.

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.



Power: 100 kW / Capacity: 247 kWh

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

SolBank*

Utility Energy Storage System

SolBank is a modular, 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. It has a leading Energy Density with up to 5.0 MWh Capacity.

Key Features:



314 Ah LFP cell leads to high energy density



Active balancing BMS releases more energy and extends the life of the system



Multi-stage thermal spread protection technology



Liquid cooling technology with design redundancy, cell temperature controlled within the optimal operating range

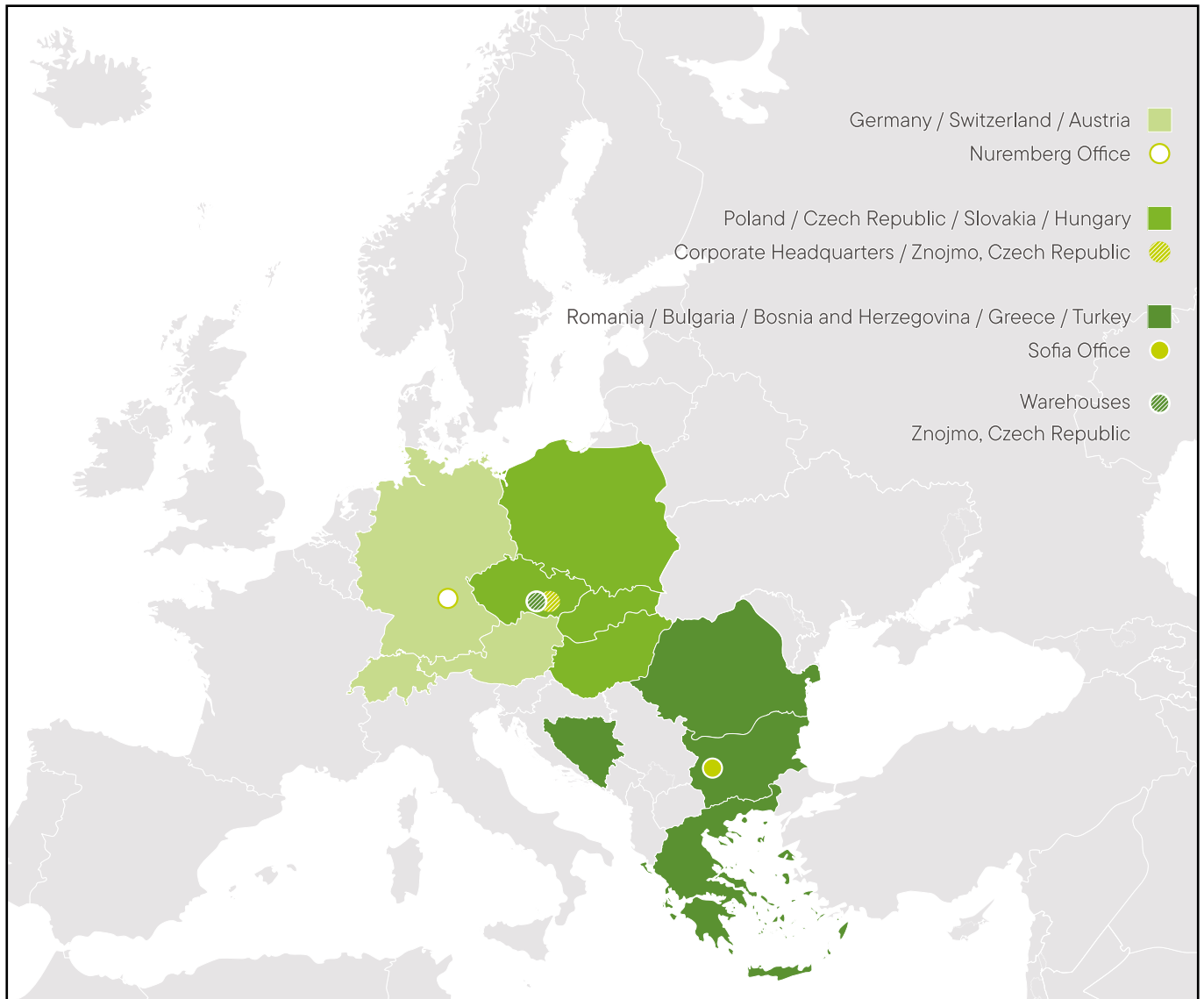


Power: 0.7 - 1.375 MW / 5.0 MWh



Green energy trading

The source is Yours.



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