

Build Canada Power (BCP) turns building envelopes into power plants. We bring advanced CdTe “Power Glass” to Canada — solar glass that replaces roofs, facades and canopies while generating clean electricity for decades. One material: structure, weather protection and energy.

50 yr

Designed service life

~10%

More energy vs. silicon

−40°C

Rated for Canadian cold

1.92 m²

World's largest single panel

TECHNOLOGY — POWER GLASS

- Thin-film cadmium telluride (CdTe) laminated into architectural glass — a 50-year asset, not a 25-year panel, with a 25-year power output warranty.
- Engineered for Canada: rated to −40°C, sheds snow fast, shrugs off hail; ~10% more real-world energy than silicon.
- Safe to live with — and to recycle at end of life.

APPLICATION MODULES

- Power Carport, Power Garage and Power Greenhouse — pre-engineered structures that generate as they shelter.
- Roofs, facades and canopies for homes, farms and commercial buildings.
- A complete bundle — structures, inverters, storage and EV charging.

COMPLEX PROJECTS

- Closed energy-and-heat-loop developments integrating power, agriculture and infrastructure — up to 160-acre concepts.

MANUFACTURING IN CANADA

- Power Glass assembly plant in Alberta, plus EV charger assembly.
- Regional hubs and city branches for fast, nationwide delivery.

AI STRATEGY

- Built to scale like a software company: an agentic AI layer — designed with technology partner Zerus AI — runs procurement, quoting, logistics and energy-asset operations as BCP grows.

EXPLORE THE WEBSITE

- Technology & Quality · Application Modules · AI Strategy · Complex Projects · Manufacturing & Parts · Investors — all at buildcanadapower.com

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- info@buildcanadapower.com · Alberta, Canada
- Homeowner, builder, developer, investor or partner — tell us about your site and we'll follow up with the right options.