



Stace
SOLAR SOLUTIONS

CPV POWER PLANT

SHERBROOKE UNIVERSITY

QUICK FACTS

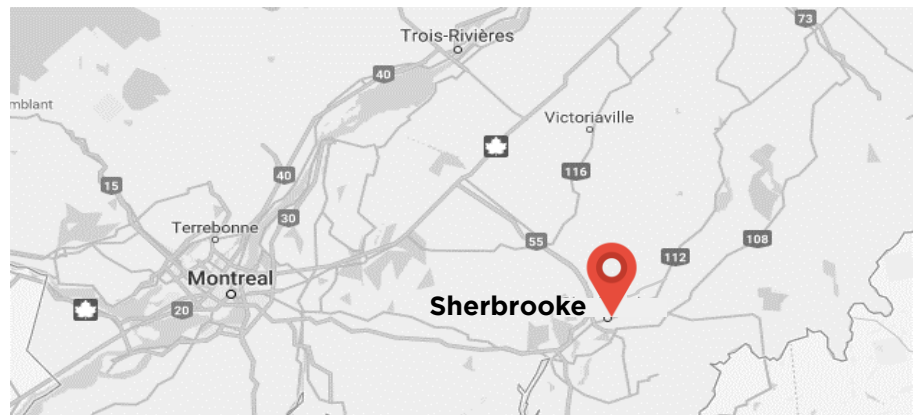
EPC	Stace Solar
Country	Canada
Location	Sherbrooke, QC
Capacity	240 kW _p
Installed	2018

PROJECT DESCRIPTION

Stace designed, supplied, installed and commissioned a complete solution including 96 Concentration Photovoltaic (CPV) modules as part of the creation of a brand new solar park at the Sherbrooke University to become the largest solar park dedicated to applied research in Canada.

The Sherbrooke University Innovation-ACEL solar park is set to become a Canadian benchmark for validating renewable energy generation and storage technologies. The surplus energy generated will be redistributed to Hydro-Sherbrooke. Stace is proud to contribute to this innovative research project, highlighting Québec's energy transition.

<https://www.usherbrooke.ca/actualites/nouvelles/nouvelles-details/article/38923/>



TECHNICAL DETAILS

Total Capacity	240 kW _p
Quantity of Trackers	8
Power Rating / Tracker	30 kW
Module Type	M500
Tracker Type	T030 (12 modules)



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LAGARDE D'APT

QUICK FACTS

EPC	Stace Solar
Country	France
Location	Lagarde d'Apt
Capacity	2.234 MW _p
Installed	2018

TECHNICAL DETAILS

Total Capacity	2.234 MW _p
Quantity of Trackers	292
Power Rating / Tracker	7,35 kW
Module Type	M500
Tracker Type	T050 (3 modules)

PROJECT DESCRIPTION

Stace designed, supplied and installed a complete photovoltaic concentrating system (CPV), including 876 modules installed on 292 two-axis trackers, generating a total of 2.2 MW in Lagarde d'Apt, France.

It is within the call for tenders by the Commission for Energy Regulation (CRE) in France, targeting innovative photovoltaic installations, that the solar power project in the municipality of Lagarde d'Apt (84), was undertaken in 2018. The project totaling 6MW, including 2.2MW of Stace CPV Technology, was inaugurated in October 2018. The plant generates enough energy to power 5,000 homes.





CPV POWER PLANT

NEWBERRY SPRINGS

QUICK FACTS

CPV System Owner & Operator

Stace Solar

Country USA

Location Newberry Springs, CA

Capacity 1.68 MW_p

Installed 2013

PROJECT DESCRIPTION

Stace is the proud owner of Newberry Springs CPV Power Plant. The plant comprises the solar module technology manufactured by Stace at its own facility in Canada.

Newberry Springs is located in the Mojave Desert about half way between Los Angeles and Las Vegas. This area receives brilliant direct sunlight almost 360 days a year. Here, Stace operates a state-of-the-art CPV Power Plant. It connects directly to Southern California Edison's distribution network and provides 500 homes with clean, renewable energy. Stace produces CPV Modules in a production facility located in Canada.

TECHNICAL DETAILS

Total Capacity 1.68 MW_p

Number of Trackers 60

Power Rating / Tracker 28 kW

Module Model M500





SOLAR TECHNOLOGICAL PARK

SAINT-AUGUSTIN

QUICK FACTS

EPC	Stace Solar
Country	Canada
Location	Saint-Augustin, QC
Capacity	51.5 kW _p
Installed	2017

TECHNICAL DETAILS

Total Capacity	51.5 kW _p
Quantity of Trackers	6
Power Rating / Module type	CPV: 2500 W PV: 370 W
Stace Module Type	CPV: M500 PV: STA-PV72M
Tracker Type	Two axis

PROJECT DESCRIPTION

Stace designed, supplied, installed and commissioned a solar technological park in Saint-Augustin QC, near its headquarters, including 17.5 kW of Concentration Photovoltaic (CPV) modules and 34 kW of photovoltaic (PV) modules.

Saint-Augustin's technological park aims to compare different solar technologies, such as Stace CPV technology. The data collected contributes to the continuous improvement of Stace's products, in order to offer the most efficient and reliable solar modules on the market.





CONTACT

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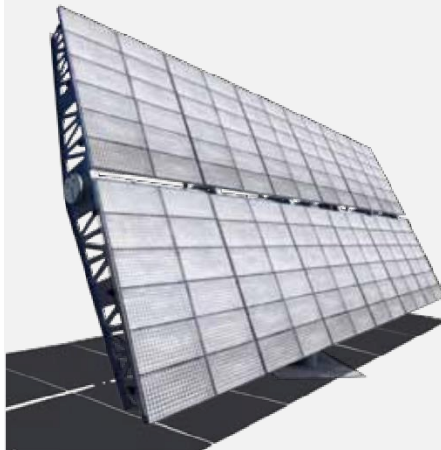
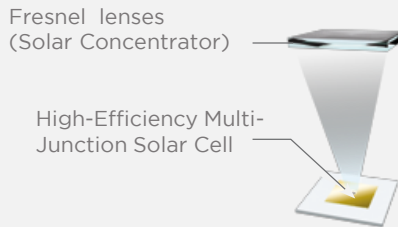
ABOUT STACE

Saint-Augustin Canada Electric Inc. (Stace) designs and manufactures large medium voltage equipment for the power generation market since 1977.

As a world-class supplier, its fully integrated plant has been very active on the international markets. Over the last 35 years, Stace has been a major supplier of all type of power generation equipment to the worldwide utility market.

Stace is committed to integrity and to promote the use of renewable energy.

CPV TECHNOLOGY



Stace technology uses Fresnel lenses made of silicone-on-glass to concentrate sunlight by a factor of 500 onto tiny, highly-efficient multi-junction solar cells on the receiver plates. The cells convert the light directly to electrical energy. Lens plates and receiver plates are connected with a metal frame to form a CPV Module.

The CPV Modules are mounted on a dual-axis tracker that follows the sun. It ensures that the focus point of the concentrated sunlight is on the cells at every moment of the day to maximize the power output.