



Whitepaper **Solar Carports** Your parking lot as a power plant

ECORUS 

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Summary.

Get the most out of the sun and the available parking space with a Solar Carport.

Since 2016, we have been helping our customers maximize their parking lots. We guide you in transforming your parking areas into power plants, with carports suitable for industrial, commercial, and public locations. Investing in a solar carport is more attractive than ever, thanks to a cost-efficient design, earning opportunities from charging electric vehicles, and subsidies from renewable fuel units.

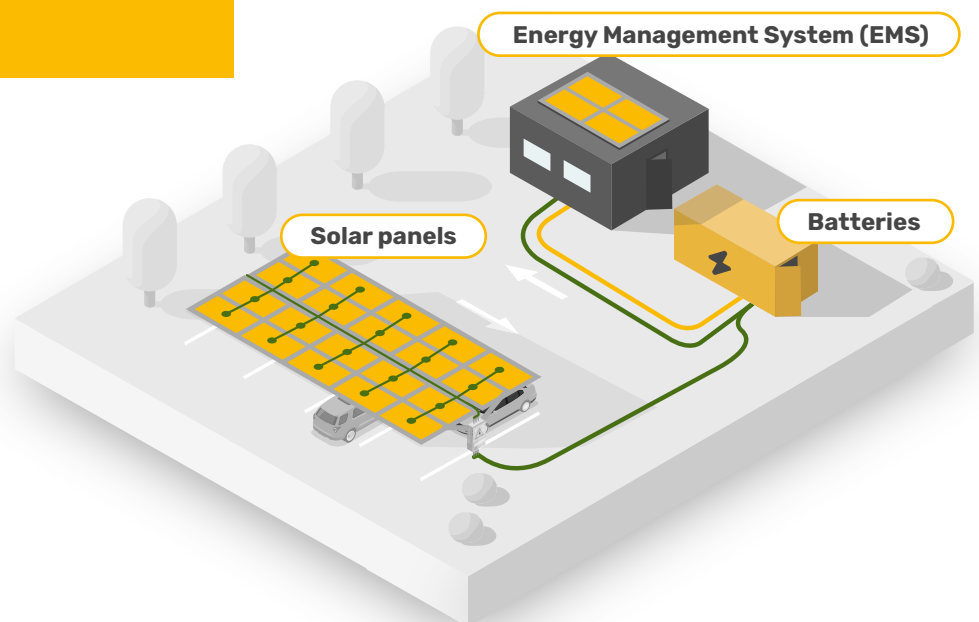
Do you have a weak or difficult roof and need to invest extra to install solar panels?


A solar carport is often more cost-effective than renovating or reinforcing your building's roof. A carport is a standalone structure, separate from the building. The carport has no impact on the property.

Do you need more power capacity but can't upgrade your grid connection?

By using a solar carport with batteries, you benefit from additional power capacity from self-generated solar energy without issues with the grid connection.

- With solar carports, you invest in a sustainable image with a green and welcoming reception.
- Thanks to our unique design, you combine the lowest cost per kWp with the use of sustainable wood or low-emission steel. Additionally, the carports can be expanded with branding, charging stations, lighting, and surveillance cameras.
- For 32 parking spaces covered with solar panels, you get 134,000 kWh of green electricity per year, allowing you to drive more than 640,000 km annually.
- You can purchase, rent, or lease our solar carports.
- When you combine a solar carport with charging electric cars, you can achieve a payback period of 4 to 6 years through RFU subsidies. This excludes local incentives. Together with you we can calculate the business case for your use case.





**Saving on energy costs,
investing in sustainability,
and providing covered parking
has never been so appealing.**

For every solution, a solar solution.

IDEAL FOR PARKING LOTS

Business Carport

Our solution for parking lots at offices, stores, and SMEs. An affordable solar energy solution that can be installed quickly.

Benefits

- ✓ Cost-efficient
- ✓ Quick installation
- ✓ Galvanized low-emission steel.
- ✓ Ideal in combination with lighting
- ✓ Revenue model combined with charging stations

Turn-key starting price:

€ 1.200 / kWp

Specifications:

Capacity:
from 10 parking spots / 40 kWp to
30 parking spots / 120 kWp
Installation time: 2-4 weeks
Maintenance: minimal

IDEAL FOR LOGISTICS SERVICE PROVIDERS

Industry Carport

This variant is designed for logistical and industrial applications. Made with sustainable and impact-resistant materials. Ideal for great retailers and last-mile solutions with high energy demands and limited space.

Benefits

- ✓ Favorable price ratio
- ✓ Durable and impact-resistant steel
- ✓ Suitable for e-trucks with fast charging and increased clearance height
- ✓ Realize extra power without grid reinforcement

Turn-key starting price:

€ 995 / kWp

Specifications:

Capacity:
from 30 to 200 parking spots*
Installation time: 4-8 weeks**
Maintenance: annual inspections to ensure continuous and optimal performance

CUSTOM SOLUTIONS

Design Carport

This carport is fully customized according to client specifications. Aesthetics combined with smart technologies. Ideal for companies seeking a unique solution.

Benefits

- ✓ Aesthetic design (sustainable wood)
- ✓ Smart technology
- ✓ Multifunctional

Turn-key starting price:

€ 1.500 / kWp

Specifications:

Capacity: variable
Installation time: variable
Maintenance: customized maintenance plan depending on specific installation requirements

* Price on request

** Depending on development duration

Several types of Solar Carports.



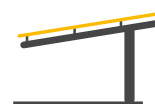
Y-shape

This is the standard model, suitable for nose-to-nose parking spaces.



T-shape

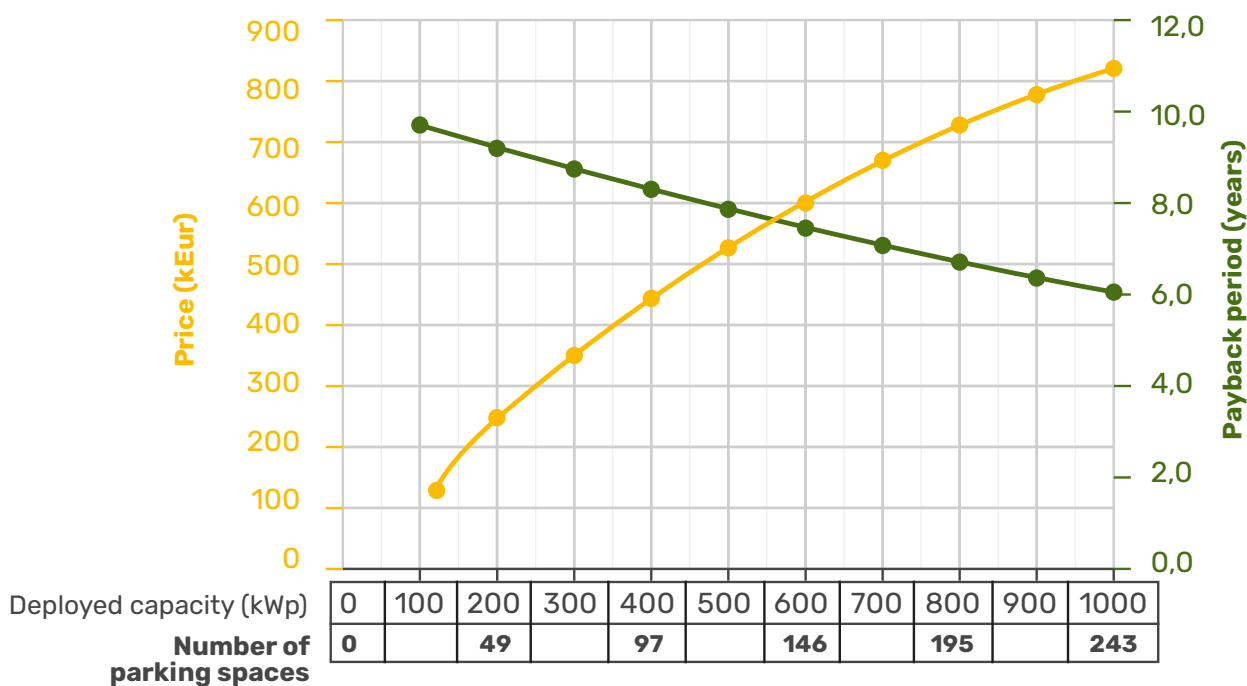
This design is also for nose-to-nose parking spaces, but oriented to the south for maximum energy generation.



Single north & Single south

This model is specifically designed for single rows of parking spaces.

Payback estimation



*This model is an estimation.
No rights can be derived from this.

Additional options.

- 1 Multiple use of space with additional options: lighting, water collection, and energy storage.
- 2 Charging facilities for electric cars and trucks, from 11kW to 400kW.
- 3 Personalize the carport: we can paint the steel in any desired color.
- 4 Increase clearance height: ideal for delivery vans and e-trucks.
- 5 Add camera surveillance and collision protection for extra security.
- 6 Create extra space for vending machines, parcel points or trash bins.
- 7 Add road markings for optimal site layout and safety
- 8 100% financeable and insurable.

Did you know?

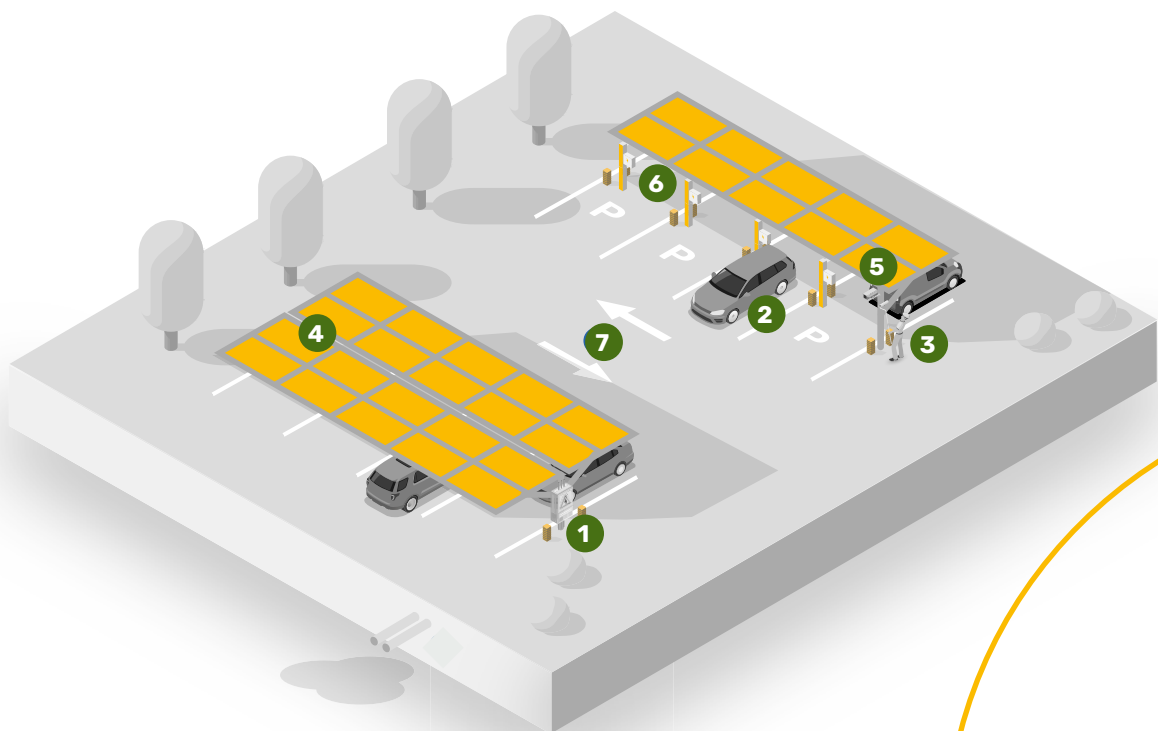
For 32 parking spaces covered with solar panels, you get:

- ✓ **134,000 kWh** of clean energy ROI*
- ✓ **5,360 euros** in annual subsidies with RFU's**
- ✓ **640,000** solar kilometers***
- ✓ **64,000 kg** CO2 savings.
- ✓ **4.2 kWp** per parking space.

* This is an estimation. No rights can be derived from this.

** Assuming that 100% of the energy is used for charging electric vehicles and renewable fuel units conform to the 2024 standards.

*** At an expected consumption of 150Wh/km



What does the process look like?

Request initial quote

Based on your needs and requirements, we determine the ideal solution together. With an initial indication, we quickly provide insight into the potential capacity of the solar carport, the investment, and your return on investment.

Development trajectory and design

If our proposal meets your expectations, we will gladly visit you to get acquainted and inspect the location. We then start the probing report, technical design, and environment integration, creating a final design and business case. We also consider various financing structures.

Application to the grid operator, permits, and subsidies

We always submit a capacity application to the grid operator to ensure you can feed energy back into the grid if possible. We also apply for the necessary permits and subsidies.

Realization of the solar carport

After receiving an approved municipal permit and construction plan, the execution work can begin. We ensure that the site remains operational during the construction process.

Delivery and maintenance

After delivery, the solar carport is ready for use. To ensure that the solar carport remains in top condition, we provide regular maintenance.

Why Ecorus?

The Ecorus one-stop solar shop can deploy solar carports across The Netherlands, Belgium and Germany. We offer a turn-key delivery for the entire process: from design to construction and installation. As the main contractor for your installation, we take responsibility for the deadline, price, and quality. Our solar carports are built to the highest quality standards, adhering to existing laws and regulations, including NEN2443, NEN1010, the Building Decree, and safety requirements. This ensures that solar carports are easy and affordable to insure. With years of experience in solar parks, both on the ground and on rooftops, we installed our first solar carport in 2016. We combine knowledge with execution power, from consultancy and construction to installation and maintenance. All under one roof; that makes us a one-stop solar shop. This is how we help you make the transition to net-zero with solar energy.

Financing: these are the options.

We understand that you want to be flexible in how you finance your solar carport. To ensure that your investment fits your company in every way, we offer the following options:

1 Ownership

You invest in the solar carport. This way, you are the full owner of the solar carport and the generated energy.

2 Rental

You rent the solar carport from Ecorus and decide what energy you consume yourself and what you rent out. We remain the owner of the carport, and you use the generated energy as a tenant. This is the ideal solution if you want to use a carport without owning it.

3 Operational Lease

Are you looking for a flexible financing option? Then a lease arrangement is interesting. You pay a fixed amount per month or quarter for the duration of the contract. At the end of the lease period, you have the option to take over the carport, extend the lease, or return the carport.



Based on your situation and geography we can help you identify what financial incentives or subsidy schemes are available.



Ownership, letting or leasing?

	Ownership	Letting	Leasing
Immediate savings	✓	✓	✓
No own investment	✗	✓	✓
Includes charging stations	✓	N/A	✓
Includes insurance	✗	N/A	✓
Service, maintenance, warranties	✓	✓	✓
Subsidy needed	✗	✓	✗
Contract duration	N/A	16 years	10 years
After contract ends	N/A	You become the owner	Take over or continue leasing

Need advice?

Gert-Jan Geerinckx
Head of Sales Retail

✉ gertjan.geerinckx@ecorus.com

☎ +31 6 1610 5372

🌐 www.ecorus.com



At Ecorus we have everything in-house to help you in a way that best suits your company or organization. Whether it concerns tailor-made advice or a total solution. We offer a 'One Stop Solar Shop' where more than 100 solar energy specialists, each with their own specialization, work together in multidisciplinary teams. This way your project gets maximum coordination and there is minimal noise. From Development Consultancy, Solar Deployment to Life Cycle Management, We Know How.

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