

E-Mobility 2018

E-CARPORT | E-BIKEPORT

SONNENKRAFT

FILL UP WITH THE SUN AND TAKE OFF



Say yes to renewable energy.

sonnenkraft.com

MOVE FORWARD

THE WAY TO THE FUTURE E-MOBILITY 2020

Politics and business show the way.

Europe's plans set the trend for electromobility. In the coming years, new constructions in private and public areas will be subject to new conditions. The installation of charging units for electric cars will become mandatory.

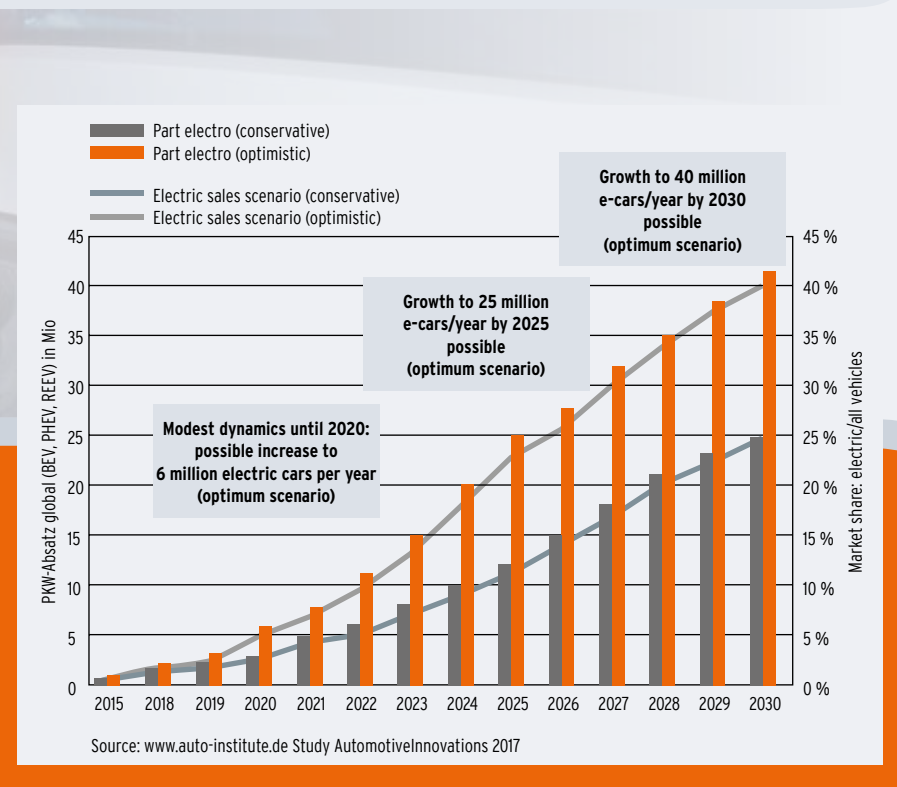
Driver nation Germany

The market potential increases every year. The goals are ambitious. In Germany alone, for example, one million electric and hybrid cars should be in use by 2020. By 2030, around six million power-driven cars are forecast.

Idea, conception, realization

Keep up with the times and jump on the e-mobility train.

With E-Carport and E-Bikeport, growing demand is covered in a simple and CO2-neutral way.



**STABLE FROM THE GROUND UP.
TECHNOLOGY INSIDE.**

Gain renewable energy.

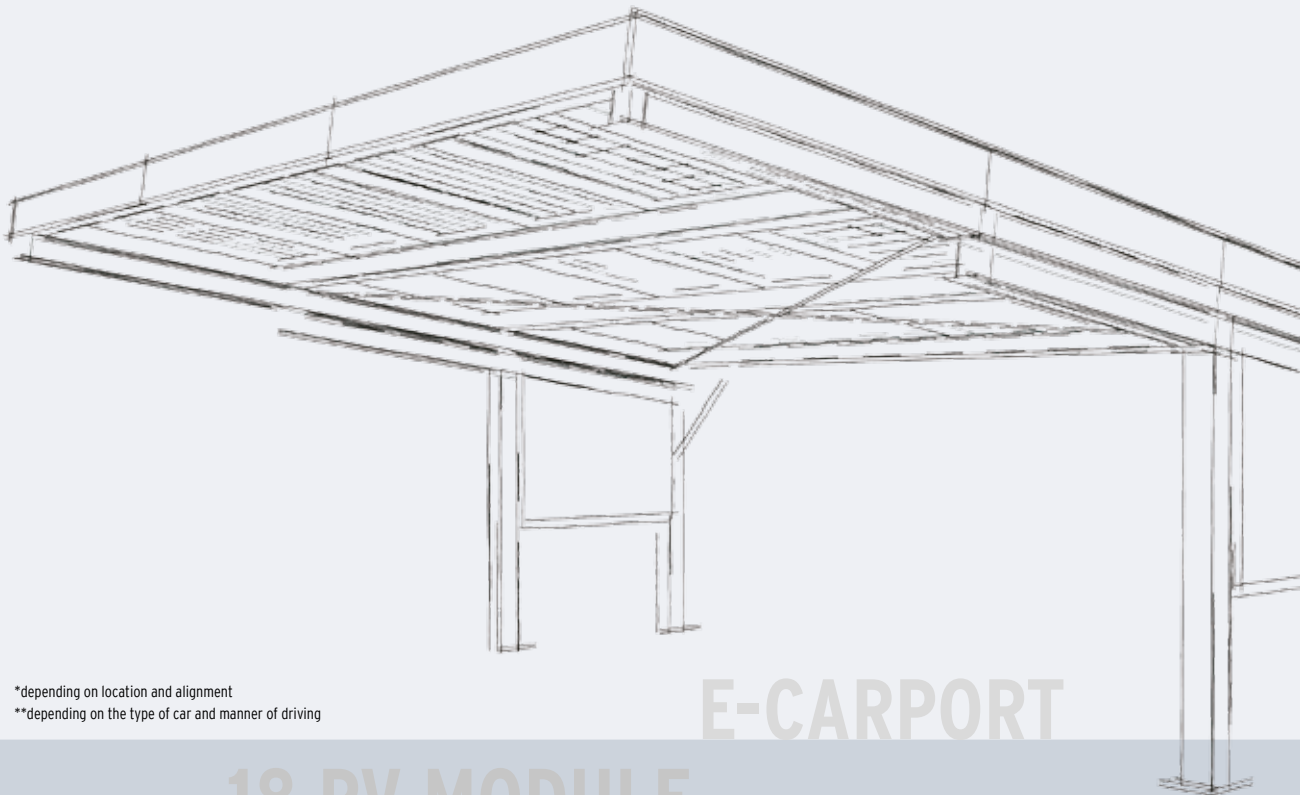
We make use of the sun's infinite energy. E-Carport's high-quality bifacial glass-glass photovoltaic modules generate approx. 5,000 kWh* of electricity per year, which can be fed into the household grid easily.

Make good use of energy.

E-Carport not only guarantees an architectural eye-catcher, but is also an ideal preparation for the electromobility of the future and a higher degree of self-sufficient power.

Energy available all the time.

Concurrently, you have the gas station of the future. Two charging stations for electric cars can be integrated and assembled for each basic module. Using the energy gained, just one electric car can drive up to 18,000 km** CO₂-neutral and cost-effectively.



*depending on location and alignment
**depending on the type of car and manner of driving

E-CARPORT

18 PV MODULE

5,13 kWp INSTALLED POWER

CLEAR WIDTH 585 cm

31,65 m² ROOF SURFACE

> 5.000 kWh MAX.POWER/YEAR*

MOVE FORWARD

WEATHER PROTECTION, ENERGY PRODUCTION AND CHARGING STATION IN ONE.

The modern E-Carport for two cars impresses with its design and convinces with its unique structure.

Quality from A to Z

From the smallest component to the steel beam, we guarantee Europe's highest quality work. Static tested and certified components make the ECarport a durable construction. During installation we also pay attention to professional sealing with a smooth edge. The special seal enables us to guarantee unrestricted self-cleaning.

Energy gain made easy.



Basic module
with extension module

THE WAY TO THE FUTURE CALCULATION EXAMPLE FOR A HYUNDAI IONIQ

A Hyundai Ioniq consumes 13 kWh per 100 km. In other words, with the energy generated by ECarport of >5,000 kWh*, corresponding to a range of approximately 36,200 km**, each of two Hyundai Ioniqs can travel approximately 18,000 km**.

The majority of consumers travel 5,000 to 15,000 km a year. Very few drive more than 20,000 km a year. In 2016, every car travelled an average of 14,015 km.

E-Carport covers consumption for the majority of consumers.

ADVANTAGE OVERVIEW

SOLID STEEL CONSTRUCTION, HOT-DIP GALVANISED

The quality of all components ensures a long life cycle and a low-maintenance product.

TRANSLUCENT THANKS TO BIFACIAL MODULES

Transparent photovoltaics gives an ideal combination of shadow and sunlight as well as an additional energy production.

INVISIBLE EQUIPMENT

The equipment for electricity production is hidden weather-proof in the side support.

SUN AND WEATHER PROTECTION

Bikes and equipment are protected in every season. The roofs are tested statically and by the DIBt and are generally made for high snow loads.

POWER GENERATION OVER DECADES

Perfectly coordinated technology ensures maximum power generation.

POSSIBILITY OF LEASING

Carefree package - we take care of the construction, the maintenance and, if necessary, the dismantling.

HIGH SAFETY STANDARDS GUARANTEED

All components and inverters are manufactured in Europe.

MODULAR CONSTRUCTION

Components are partly pre-screwed. The assembly is carried out by our assembly team in the shortest possible time. Fast delivery through standardized warehousing.

TRAM SHELTER WITH ADDED VALUE

Can be equipped with seating, entertainment system, sockets, USB port or with advertising space.

FEW LOCATION REQUIREMENTS

The following shall be carried out on the site: foundations, electrical connection and granting of Community guidelines.

*depending on location and alignment

**depending on the type of car and manner of driving

MOVE FORWARD

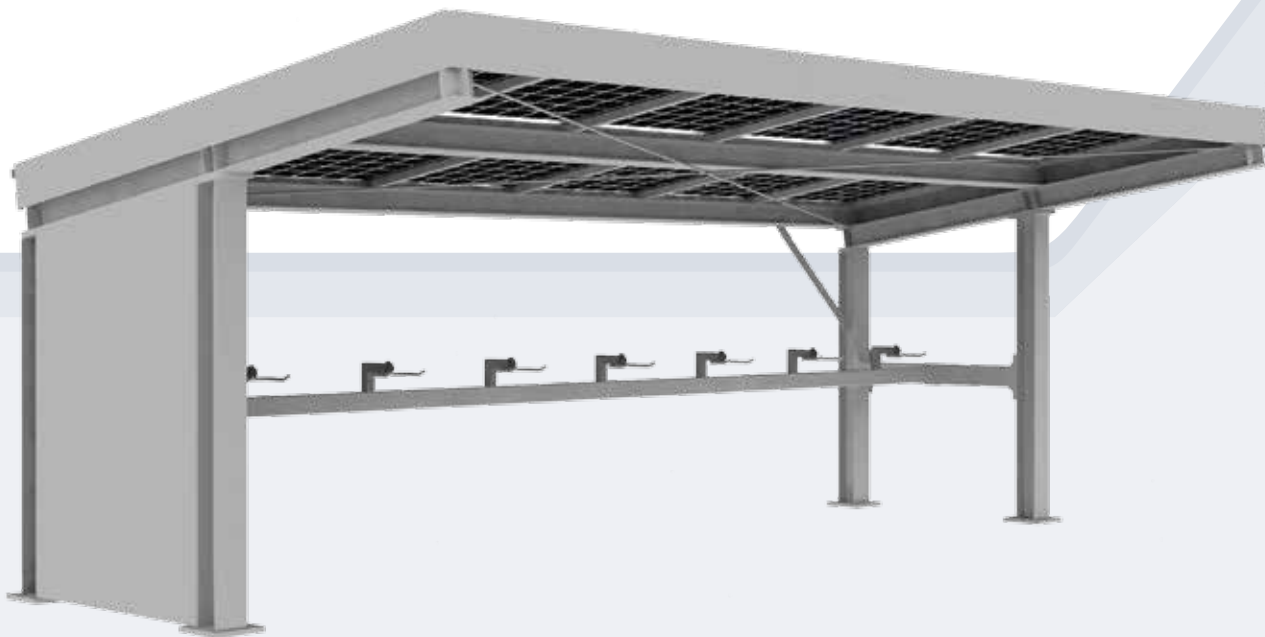
E-BIKEPORT THE SMALLER COUNTERPART OF THE ECARPORT

The Bikeport serves as electricity production, weather-protection and charging station for e-bikes. Included is a loading bar for up to 7 bicycles, the equipment set and the inverter package.

It has 12 photovoltaic modules with 3.42 kWp. The Bikeport's high-quality, bifacial glass-glass photovoltaic modules generate approx. 3000 kWh/year*.

Ideal for municipalities and tourism.

*depending on location and alignment



PHOTOVOLTAIK MODULE TECHNOLOGY ON THE TOP.

360° glass module „Made in Austria“
Glass to glass module: 60 cells, bifacial
Installation: Solar glass without frame and smooth, clean edge
Efficiency: 285 Wp
Dimensions: 1700 x 995 x 7 mm
Product guarantee: 12 years
Weight: 27,5 kg

INDIVIDUAL CONCEPTS

INDIVIDUAL COMBINABLE.

The E-Carport is available in two versions - the E-Carport BASIC or DESIGN.
An extension set is available for each version, which enables the extension of the basic module with 2 additional parking lots per extension module up to 8 parking lots in total. Larger projects with a requirement of more than 8 parking lots will be handled on request.

Equipment sets and inverter packages can be chosen individually based on the scope of the given project.

E-Carport in the public area

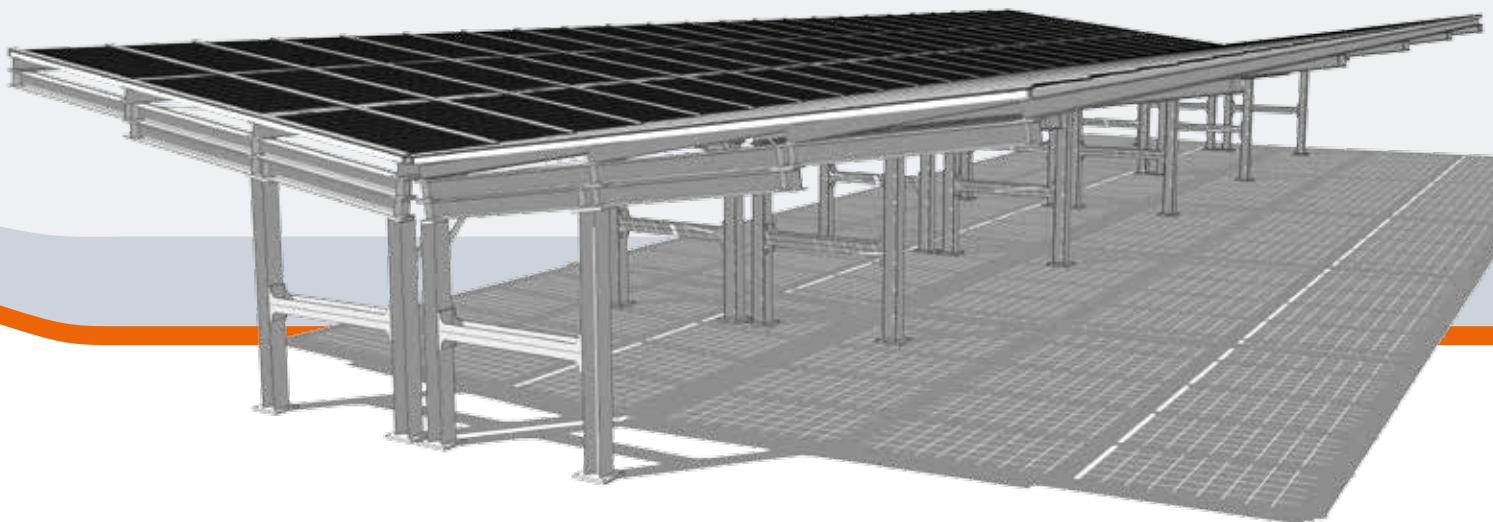
Service for customers and employees.
Visibility of an environmentally conscious company policy.

Design and advertising space

Optionally available with a panel for individual design and self-promotion.

State funding

Various funding programs facilitate the start into a green future.
Extra funding for tourism-oriented environmental protection measures in the mobility sector.



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