



Photovoltaic Car Parks

SOPHISTICATED SOLUTIONS FOR LARGE CAR PARKS



A visible commitment to sustainability

Use the sun to finance your car park roof.

The high-quality roof is financed via the integrated photovoltaic system. BELECTRIC provides a unique and sophisticated photovoltaic roof system for your large car park facilities. Your company will benefit from increased customer satisfaction, while enabling the facility to become an environmentally friendly electricity producer.

Advantages at a glance:

- Enhanced appearance and increased property value
- Improved return on investment and energy yield performance
- Weather-protected parking
- Barrier-free system design for ease of parking
- Long-term secured investment
- Reduced costs for snow removal
- Opportunity for weather-protected outdoor events
- Visible expression of sustainability and the support of renewable energy solutions
- Optional integration of charging points for electric vehicles

Sophisticated photovoltaic solutions

BELECTRIC designs, develops, and constructs turnkey systems tailored to customer requirements and optimized performance. The first step is a consultation to understand your expectations and requirements, and to discuss the range of possibilities. Concepts will be generated to meet the requirements and the desired corporate image and aesthetics. Our team of architects will position your existing building into an overall concept so that your new car park is optimally integrated into the architectural environment. We use high-quality, industrial components and materials for the roof and substructure to ensure reliable operation over many years.







The BELECTRIC system design.

Highly efficient thin-film modules

BELECTRIC uses only proven, TÜV-certified thin-film technologies. We exclusively install modules which provide the best energy yields even under low light conditions and high temperatures. The stable module efficiency even enables an East - West positioning of the whole system.

Modified inverter systems

The inverter and the patented cabling system are specially tailored to the module technology used. The ideal combination of high quality components enables very high system efficiencies.

Barrierless construction

The clever system design with structurally approved components enables obstacle free parking.

No loss of parking spaces

The PV car park system is designed without losing parking spaces.

Installation of electric charging points

Charging points for electrical vehicles can be easily integrated.

Structurally approved system

The complete car park design is approved for local wind and snow loads.

Optional lighting according to international standards and guidelines



E-Mobility meets
Photovoltaics



Barrier-free system design
for comfortable parking

Innovative cabling and high
performance inverter system



BELECTRIC

about us.

BELECTRIC was founded in Kolitzheim, Germany and is one of the world's leading companies in the development and construction of ground-mounted solar power plants and photovoltaic rooftop systems. It is the first company having installed more than 1GWp of solar power world-wide. As an international company, BELECTRIC is represented in 20 countries. Its position as technology leader is a result of the high degree of vertical integration in the development and manufacturing processes.

The majority of BoS components – such as cabling and energy distribution systems, inverter technology, control systems, and substructures – are manufactured in house. This unique selling point means that BELECTRIC is able to adapt the individual components perfectly to their application, reducing the costs per kWh generated (LCOE) over the long term and ensuring the provision of reliable and efficient plant technology.

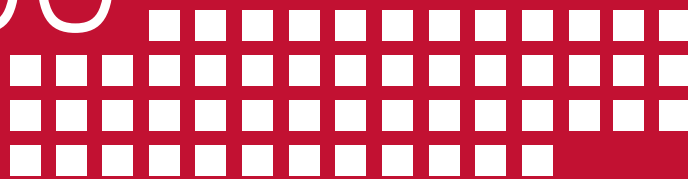
Alongside solar power generation, BELECTRIC Drive concentrates on the combination of photovoltaics and e-mobility.



1750 employees worldwide



100 patented innovations ensure our know-how



20 regional offices span the globe






Photovoltaics from one source.

The lengthy experience portfolio and use of modern and innovative system design with high-quality industrial components is what makes BELECTRIC a reliable photovoltaic partner.

- Detailed economic feasibility analysis
- Creation of attractive financing solutions
- Partnerships with capital investment companies
- RealTime system monitoring and yield data compilation
- Quick material availability through existing inventories
- Service and maintenance packages
- High product and service guarantees (up to 25 years)
- Prefinanced module withdrawal system for end-of-life recycling



Engineering and planning
of photovoltaic systems



100% turnkey
solutions using
our own assembly
teams and custom
machinery



In-house service teams



Web-based RealTime management system



Sustainable ways into the future.

The CO₂ emission of a conventional energy generation contributes substantially to the global warming and with that to endangering our future. Regenerative energy sources reject an environmentally friendly and realistic way out. The solar energy is an important pivot leg of the future energy supply. By no regenerative energy source, the production of current is mastered as environmentally harmless and low-maintenancelly as by the Photovoltaik.

BELECTRIC already lives the energy future

The company's HQs in Kolitzheim, Lower-Franconia, demonstrates how to produce and use environmentally friendly power at the same time.

- the rooftop photovoltaic system of the office building runs since 2007 with 24 kWp
- the rooftop photovoltaic installation of the warehouse produces 825 kWp
- part of the premises is a 5.2 ha ground-mounted solar power plant with 24,312 solar modules installed and a nominal output of 1,775 kWp

All photovoltaic systems at BELECTRIC HQs produce enough electricity to supply 750 four-person households. Part of the power produced charges 40 electric vehicles, used for the day-to-day work by the local employees.





Sample mid-sized EDEKA supermarket in Germany:
2,000 m² PV car park - 200,000 kWh produced solar energy
per year - annual reduction of 140,000 kg of CO₂



BELECTRIC

The better electric.



1000⁺ MWp

Being the first company to install more than 1GWp of solar power worldwide BELECTRIC supplies more than 1 million people with the energy from the sun.

 **BELECTRIC®**

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