
ENERCON TECHNOLOGY FOR E-CHARGING PARKS

As a supplier of renewable energy system solutions, ENERCON drives the worldwide use of renewable solutions for power supply and is committed to future technologies such as energy storage, e-mobility and smart grids. ENERCON's E-Charger 600 is one of the most powerful ultra-rapid charging solutions for electric vehicles currently available. The key components are the ENERCON inverters which are built into every wind energy converter. They ensure that vehicle batteries are charged with green wind energy in just a few minutes, and that the supply grid is stabilised and supported at the same time.

In this way, the E-Charger 600 already enables rapid charging of next-generation e-vehicles today. In an ideal scenario, the charger will take less than 10 minutes to refuel an electric car with energy in last addition, up to four charging columns each with a maximum charging capacity of 350 kW ensure that there is always space available. The installer concept with scalable HPC hardware allows ENERCON to offer maximum potential for expansion. In addition, the -Charger 600 has an intelligent grid control technology ensuring grid stability. End connection at weak connection points is also possible thanks to an optional battery-backup system.

In addition to the ENERCON technology for e-charging parks, we also offer a wide range of interior features and secondary installations so that your charging park of the future meets your personal requirements.

OPTIONAL FEATURES FOR MORE APPEAL

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Electricity mobility only works in everyday life if users are able to charge their e-vehicles quickly and easily. The number of charging stations in Germany is increasing, but the choices of location, the charging capacities, and the payment options still leave a lot to be desired in many cases.

In order to get closer to the end goal of establishing a nationwide charging infrastructure and play an instrumental part in driving the e-mobility sector forward, the supplier of renewable energy systems ENERCON has developed an e-charging park concept. The first park of its kind in Europe is currently being constructed in Nordhausen (Germany), in cooperation with InTraSol and the Stadtwerke Nordhausen municipal utilities. Up to four electric vehicles can be charged here quickly and easily. The ENERCON E-Charger 600 provides four ultra-rapid charging columns with charging capacities of up to 350 kW, offering optimum charging service and keeping waiting time to a minimum.

The new e-charging park of the future completely integrates the concepts of sustainability, customer service and efficiency, and offers you an all-in-one solution tailored to your needs.

Contact us!

Creating an attractive public high-performance charging infrastructure is an important step in making mobility sustainable and suitable for everyday life in the decades to come. We are happy to advise local authorities and municipal utility companies interested in setting up an optimum charging infrastructure in their area and developing new business models. We offer support throughout the entire project development process, from the initial contact to commissioning and beyond.

I. Initial contact
II. Speculative consultation
III. Site concept
IV. Project development
V. Site development
VI. Approval process
VII. Execution planning
VIII. Call for tender / Award of contract
IX. Implementation / Construction
X. Commissioning
XI. Regular operation
XII. Maintenance & service

Using a modular design principle, we offer you complete solutions tailored entirely to your needs. The model park layouts "Nordhausen", "Aurich" and "Magdeburg" have been designed in accordance with tried and tested filling station setups. A multitude of optional features also allow you to increase the appeal of your charging park even further and design the site so that it exactly meets your wishes and desires.

- Future-proof due to combined charging infrastructure (AC/DC charging)
- Robust payment methods (NFC, RFID, PayPal, credit card)
- Suitable for all cars, commercial vehicles and cargo vehicles
- Customised all-in-one solutions for architecture and infrastructure
- User-friendly and family-friendly site concepts
- Based on the image and advertising medium for the region
- Sustainable due to use of electricity from renewable energy sources
- Cooperative financing and operating models
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Site concept for e-charging park 'Nordhausen - type' (© InTraSol 2018)