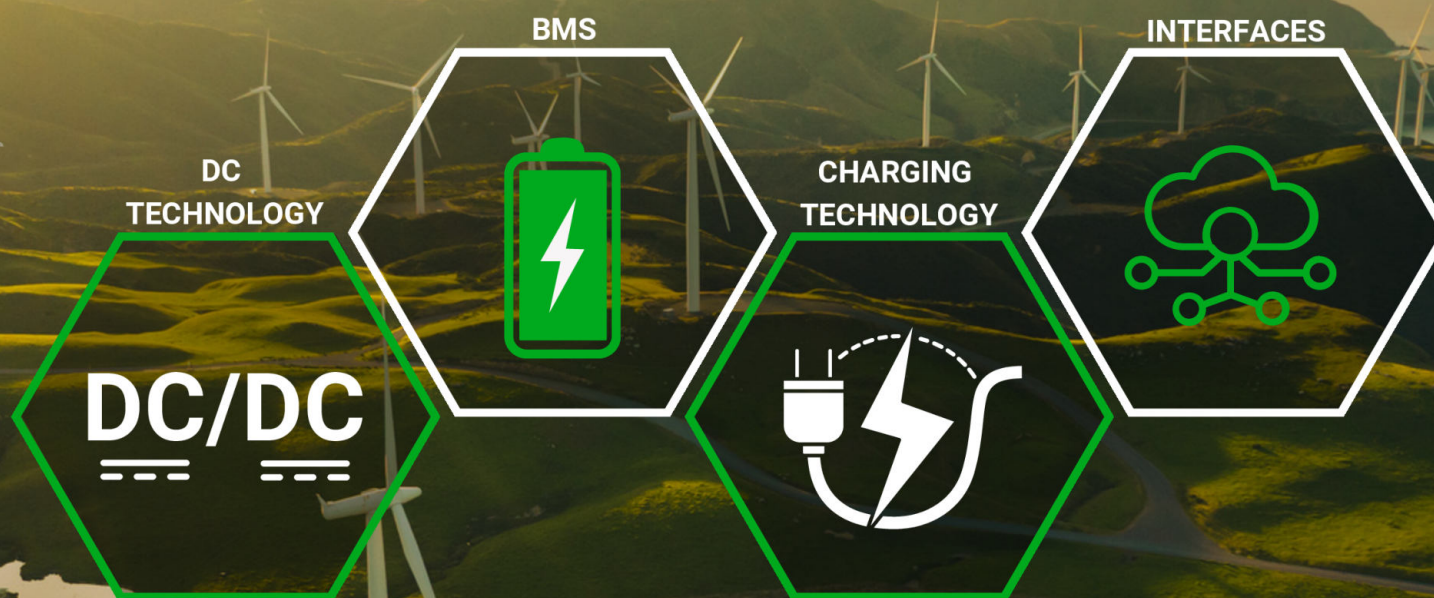




Querom

Elektronik GmbH



INNOVATIVE POWER SOLUTIONS

YOUR EXPERTS IN POWER ELECTRONICS 4.0

part of **Lacon**

POWER ELECTRONICS 4.0



Querom Elektronik GmbH was founded in 2017 and has since established itself in the field of customer-specific development of power electronics. Querom's expertise includes the customized development of DC/DC converters, BMS & charging technology and the application-specific integration of communication interfaces for power electronics 4.0. Besides the custom-made developments Querom has launched own **DC/DC converters in the scope up to 1.000V**.

Since 2022 Querom has been a part of the **Lacon Group**, an international ODM service provider with manufacturing facilities in Germany and Romania. This gives Querom and its customers access to modern production facilities and to an international network of suppliers.

ONE GROUP - ONE PROCESS



» Concept

After receiving the customer's specifications, an analysis phase is carried out to develop a concrete concept for your product.



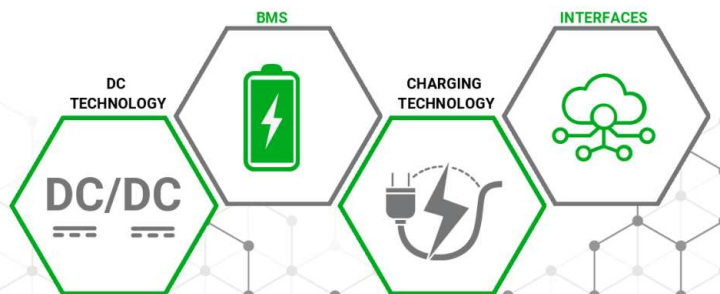
» Development

Once the concept has been completed, a precisely timed development phase of the product begins in close dialogue with our customers.



» Manufacturing

During the development, we have access to the Lacon Group's international supplier network. This enables us to initiate the production immediately after the finalization of the development.



CUSTOMIZED DEVELOPMENT



Querom's development department is a team of engineers with many years of experience in the development of power electronics. In addition to the design of hardware and embedded software, we are experts in mechanical design, carrying out EMC tests and supporting certification processes.

DC/DC converter

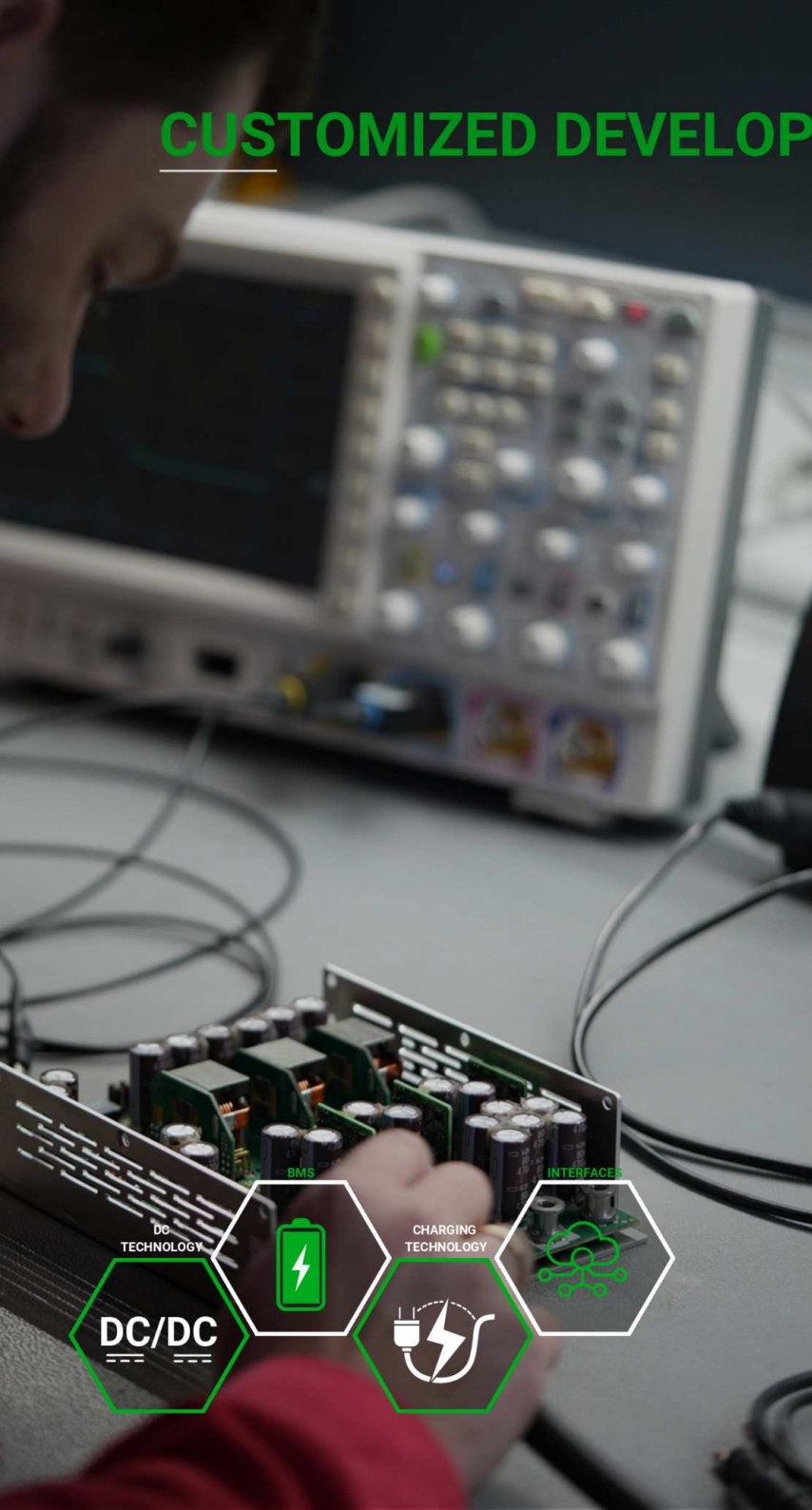
We develop customized DC/DC converters up to 10kW with a voltage range between 12V and 1.000V. Companies from numerous industries are among our customers for whom we have already developed various DC/DC converters.

BMS & charging technology

We know how to handle energy safely. No matter what type of energy storage system – due to our experience and in-depth application know-how, we are able to adopt our BMS & charging technology to your specific requirements.

Interfaces

The arrival of digital circuit technology has led to the introduction of software in power electronics. Querom therefore offers various wired communication interfaces (CAN, CANOpen, Modbus, RS232, etc.) which transmit a wide range of information such as measured values, setpoint specifications, status messages and system parameters.





Intralogistics



Querom

Automation



Transportation



Defence



Energy Storage



Laser-Technology

INDUSTRIES & APPLICATIONS

Due to Querom's broad expertise within power electronics we offer a broadly diversified knowledge and experience in developing customized products for a variety of industries and applications.

In addition to customer-specific developments, Querom has also developed and marketed its own DC/DC converters (**48V/ 96V/ HV-DC**) in recent years based on current and future market and industry requirements.



Hydrogen-Technology



DC/DC CONVERTER 48V

Querom's certified 48V DC/DC converters are based on a modular hardware and software concept, thus covering a wide range of applications.

DDL4848-48

Power: 5kW
Input (U_{Hi}): 30 – 58VDC
Output (U_{Lo}): 0 – 58VDC ($U_{Hi} > U_{Lo}$)
Interface: CAN 2.0
Energy flow: bidirectional

DDL2148-24

Power: 2.1kW
Input: 30 – 58VDC
Output: 24VDC
Interface: CAN 2.0
Energy flow: bidirectional

DDL3050-48

Power: 3kW
Input: 40 – 60VDC
Output: 10 – 60VDC
Interface: Modbus, Analog
Energy flow: unidirectional

Industries in which our 48V DC/DC converters are already in use:



Intralogistics



Transportation



Hydrogen



Energy Storage



Electrification



Defence



many more

DC/DC CONVERTER 96V

The DDL5096-96 is the further development of our 48V DC/DC converters and covers a voltage range of 0-120V.

DDL5096-96

Power: 5kW

Input (U_{Hi}): 30 – 120VDC

Output (U_{Lo}): 0 – 120VDC ($U_{Hi} > U_{Lo}$)

Interface: CAN 2.0

Energy flow: bidirectional



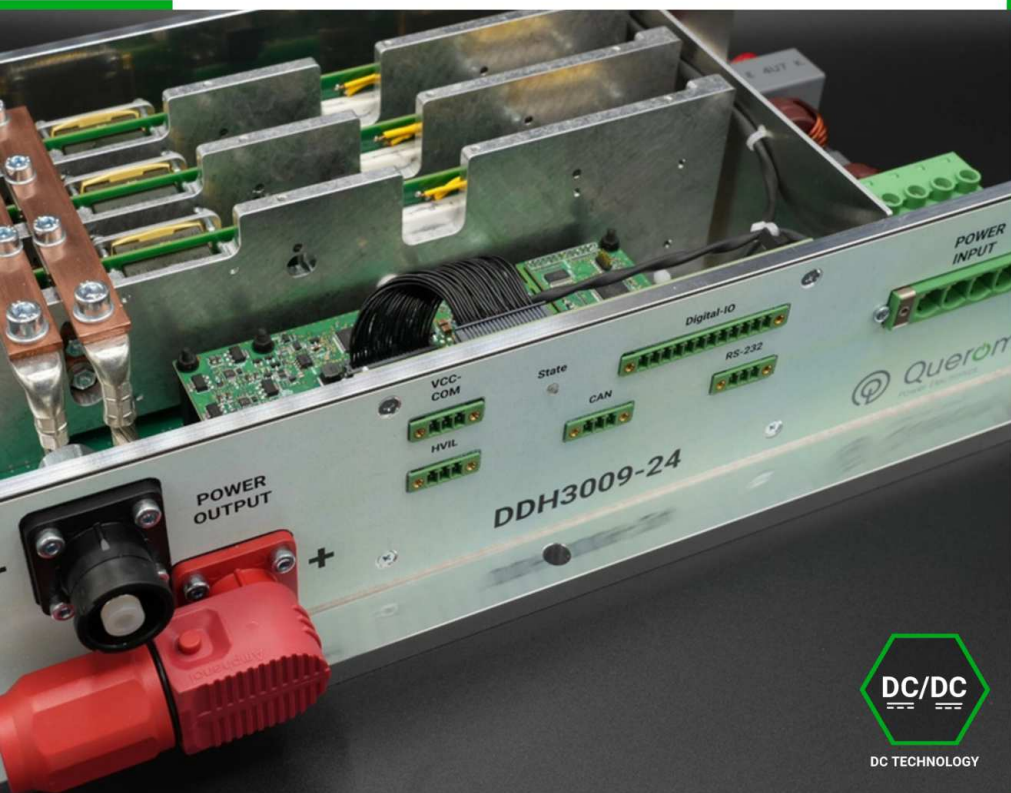
Laser-Technology



Intralogistics



Hydrogen



DC/DC CONVERTER HIGH-VOLTAGE

The DDH3009-24 is based on Querom's high-voltage platform and has a wealth of features that allow it to be integrated into existing systems.

DDH3009-24

Power: 2kW (permanent)/ 3kW (boost)

Input: 500 - 900VDC

Output: 24VDC

Interface: CAN, Digital-IO, RS-232

Energy flow: unidirectional



DC-Grid



Energy Storage



many more

CONTACT



Andreas Diewald
Sales Director
a.diewald@querom.de



Anton Mitterreiter
Product Manager
a.mitterreiter@querom.de

ASSOCIATIONS

Querom has been involved in national and international associations to promote innovations in the field of power electronics and thus making its contribution to the continuous development of direct current technology.



MANUFACTURING

Besides competences in manufacturing (Mechatronics & electromechanics, electronics PCB assembly, cable assembly and much more) the Lacon Group has expertise in Design & Engineering and Industrial engineering.

Lacon Electronic GmbH
Hertzstraße 2
85757 Karlsfeld
www.lacon.de





Querom

Elektronik GmbH

TELL US ABOUT YOUR PROJECT - WE WILL FIND A SOLUTION.



Querom Elektronik GmbH

Vilsbiburger Str. 70-74

84144 Geisenhausen

+49 8743 9671970

www.querom.de

part of **Lacón**

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