

MEC Energietechnik GmbH

**Direct Communication. Speedy Prototyping.
Customized for your applications since 1989.**



A Global Partnership

www.mec-energietechnik.at

*Design,
Manufacturing &
OEM-Production*

About MEC Energietechnik GmbH



MEC Energietechnik GmbH or MEC, established in 2007 in Villach, Austria, originated from Mengling Power Electronic (Dong Guan) Co. Ltd. in China since 1989. We established subsequent foothold in Hong Kong with the set-up of Mainland Energy Conversion Ltd. in 1999 which serves as a major sourcing and transit hub. MEC aims at providing **quality, best-in-value, and timely OEM products** for clients worldwide.



MEC in Villach/Austria, Hong Kong and Dong Guan/China.

In-House Self Supplies for Quality and Flexibility



Taking advantage of our **self-operating ISO 9001:2015 certified factory** located in Dong Guan, China, we offer one-stop, customized power solutions pinpointing specific needs.

Equipped with latest SMT technology, advanced Optical Inspection System and automated Pick & Place machines, we produce in-house our own inductive / heatsink components, ensuring the best quality and timeliness. Processes from mold construction, metal stamping, simulation / software designs to the assembly of batteries or the full gear of power supplies, MEC handles well with flexibility as we enjoy **high degree of autonomy and self-sufficiency**.

We ourselves as a key in-house supplier allow our own development and production of **a wide range of various mix of products**; this enables us to be the reliable partner for OEM clients like laboratory power supplies, electronic loads, etc.



Our self-operating ISO 9001:2015 factory in Dong Guan/China.

Stay Close Contact with Advanced Technology

Our core team of experienced engineers in Austria leads MEC's R&D arm, ensuring products of our own label cater the latest market and technological needs; while reliable crew of workforce in China keeps a close track of every step for stable quality sake.

Office in Hong Kong plays a key role in sourcing quality critical parts from reputable international vendors and handling logistics and import/export with professionalism.

With the help of the most advanced ERP System, we stay in close contact across continents and time zones, **insights are directly shared** within the Company, **feedback to clients** and **logistics instructions are instantly managed**.



The Power of Collaboration

We value **direct communication** with clients. Through which, we understand your **specific needs and constraints** and in turn, provide you with the optimum devices together with customer satisfaction. With our strong experience and background in the Far East, we target to be your most reliable partner to open-up new opportunities and challenges.

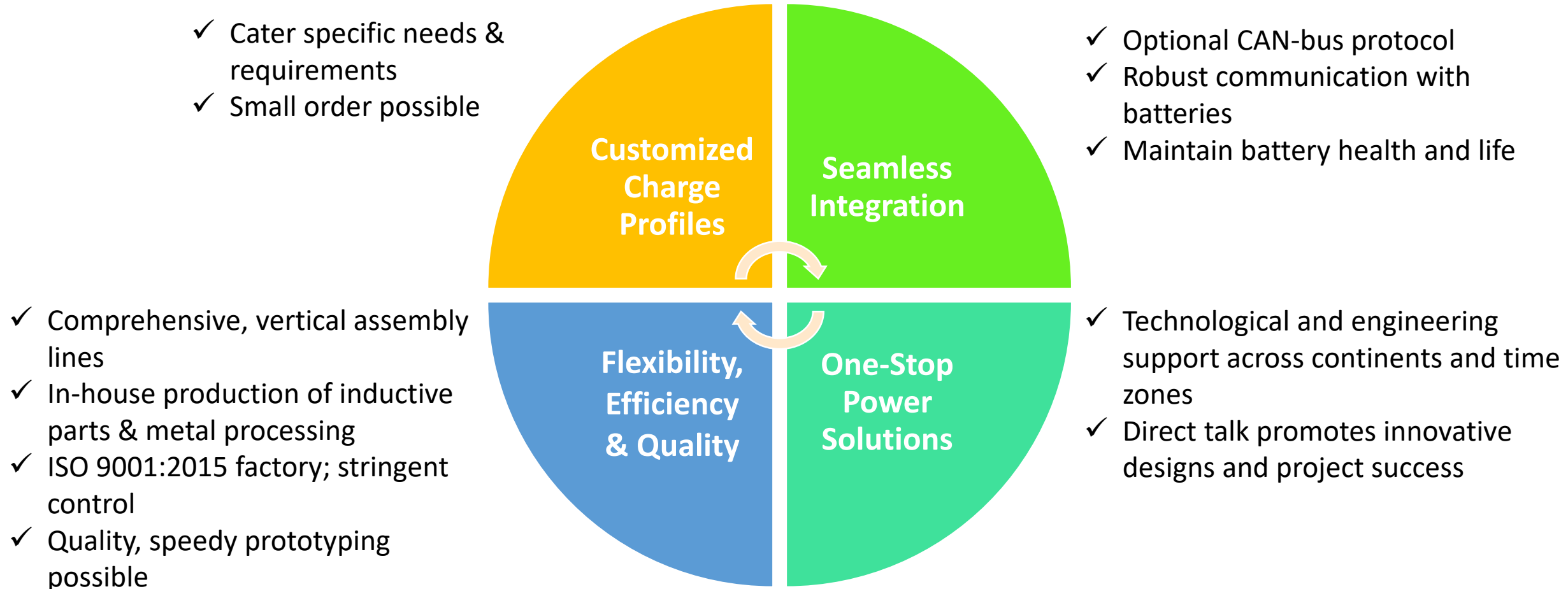
MEC stands for quality and responsible OEM-Production, a partner you can trust on.



MEC offers



As an Austrian manufacturer of industrial lithium- or lead-based battery chargers since 1989, we are bold to **DESIGN, PRODUCE and INNOVATE**. We offer:



Products labeled as MEC are thus efficient, competitive and just well-fit.

OEM-Solutions

Discuss with our experienced engineers on your specific needs, let us **amplify your strength** and **handle the constraints in a professional way**.

Customized from a Current Model:

- Most effective and efficient way to cater your specific needs / requirements
- Our expertise would get you a best-fit from the available series as a prototype
- You then contribute with specific output power, parameters, dimensions & other factors including the cost constraints



OEM-Solutions (continued)

Design and Develop a Brand-New Product / Solution:

- From the original abstract concept, functional & technical features to the exterior mechanical design, we as a team will be your most reliable support and back-up
- Careful calculation on constraints imposed by the enclosure type, the heatsinking method and the magnetic topology together with the overall production cost
- Our R&D engineers work close with the crew at the factory to implement and realize your projection



Your One-Stop, Reliable Solution

We target to be your most reliable partner for **turning your ideas into real products**, which are efficient, competitive and definitely safe. Attaining Agency Approvals forms an integral part of the whole project; delivering a final product **meeting the relevant safety and EMI standards** is essential.

Applications

- Automobiles, motorcycles, scooters, caravans, vintage cars
- Electric-driven vehicles, e-bikes
- Sport vehicles, sport gears
- Industrial equipment, hydraulic hoists, scissors lift platforms, lift trucks, floor scrubbing machines
- Agricultural / farming machines
- Home appliances, gardening tools, wheel chairs
- Yachts, small marine crafts, marine platforms

**We have become a trustworthy partner to different industries,
down on ground, up to the aerial and out to the marine platforms.**



Automobile



Agriculture



Marine



All Products

Product Features

Designed and manufactured in-house at our self-operating ISO 9001:2015 certified factory in Dong Guan, China, MEC Battery Chargers come with universal mains (100-240 VAC / 50-60 Hz) and are set to perform well even under extreme conditions (from -30°C to +40°C; humidity of 10% to 70%). Respond quick to request for changes, feature highlights are as follows:

- **IP65 to IP68:**

Designed for marine platforms, the advanced power electronics works well under the rain / water splashes

- **Shock / Vibration-proof, Condensation-proof:**

Stable performance with shock / vibration proof; well-fit for industrial usage. Optional pressure vent prevents condensation

- **Convection- / Fan-cooled with Temperature Sensor (Optional):**

Extremely quiet load- / temperature-controlled self-cooled mechanism; auto charge-voltage adjustment helps maintain long battery life

- **Customized Charge Profiles, CAN-bus (Optional):**

Parameters can be set precisely to fit specific requirements; if in need, customized charge profiles available off-the-shelf for uploading via integrated data port

- **3 Charging Modes:**

General Mode, Maintenance Mode for batteries esp. in winter storage & Deep Discharge Recovery Mode attempts to revive a “dead” battery

- **Wide Range of Output Power:**

From 40W to 3,000W; or talk to our experts for the desired output power

Product Features (continued)

- **Auto-detect:**

Start fresh the charge cycle at certain pre-set days or voltage level; programmed “wake-up pluses” for batteries in sleeping mode

- **Definitely Safe:**

Equipped with short circuit, overload and reverse polarity protection; optional ignition-locked to prevent starting up the vehicles / machines while charging

- **Customized Terminals / Charge Cords, Localized Pins:**

Enclosures come with specified battery-pole terminals; optional dry-relay-contact; charge cords at your desired length with applicable AC-pins (EU, US, AU or UK)

- **Handy, Portable, Perfect Travel Companion:**

As light as 290g, a perfect travel-mate for both lithium- / lead-based batteries

- **Chic Appearance:**

Smart LED / LCD display. Optional Remote Display showing voltage and current, charged-in capacity and phase. Aluminum alloy enclosures. Retractable steel brackets. Optional detachable wall-mount racks.

MEC battery chargers are thus widely applied, a stable and reliable daily necessity.



Lithium- & Lead-based Battery Chargers



We Manufacture Quality Products.
We Do Responsible OEM-Production.



Nova-300SR



Atlas-650I



Trident-3000I

- ⚡ IP65 to IP68, or fan-cooled
- ⚡ Customized charge profiles
- ⚡ 5 Selectable battery types
- ⚡ CAN-bus (optional)

We design and deliver battery chargers out of Austria. Assembly lines in our ISO 9000:2015 certified factory in China are supported with in-house production of inductive parts and metal processing, providing the flexibility for building and shipping customized products, timely and at the right quality.



Our Partner

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