



ENGINEERING
CONSULTING
SERVICES

Highly Efficient Power Electronics Generation



8 kW On Board DC-DC Custom Designed Automotive Converters

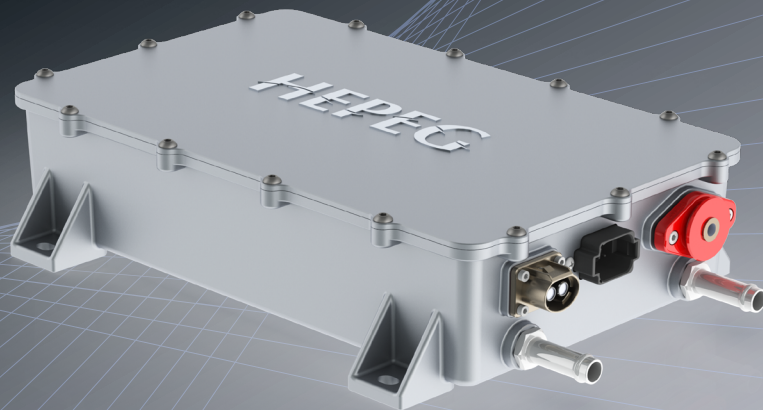


Developed By Us

Owned By You

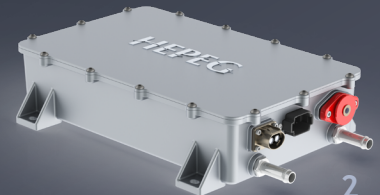
Designed in California, USA

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HIGHLIGHTS

HEPEG offers vertical integration for **custom-made** hardware and Control Software solution for DC-DC.



Why HEPEG?

Using solution by HEPEG will help to cut down building costs and avoid dependency from other suppliers.



➤ **EXPERIENCE**

HEPEG has successfully delivered DC-DC for production



➤ **BENEFITS**

HEPEG can provide all design manufacturing files to EV OEM

➤ **FAMILIARITY**

HEPEG knows EV US/EU charging standards, systems and equipment

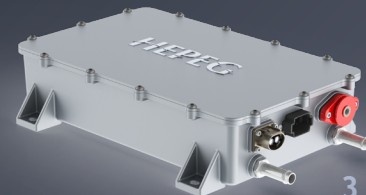


➤ **HISTORY**

HEPEG has collaborated successfully with EV OEMs in the past

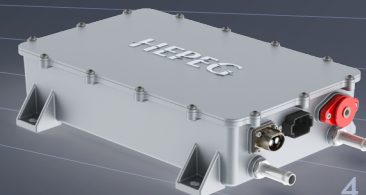
➤ **RESPONSIVENESS**

HEPEG can adapt quickly and respond to EV costumers needs



DC-DC key Hardware and Software Features

- Output Power: 8 kW (Customizable 2 x 4 kW for dual voltages)
- DC Input Voltage: 500V – 850V (Customizable)
- DC Output Voltage range: 9V – 52V (Customizable to Nominals: 12V, 24V, 48V)
- DC Output Max. Current: 2 x 250A
- Efficiency: 98%
- Reverse battery and transient voltage protection: Yes (Optional)
- Wakeup: Over the CAN or Ignition, I/O
- HVIL detection: Yes (Optional)
- Insulation resistance: < 15 Meg (with chase ground)
- Communication interface: Two independent 1 Mbps CAN
- Auxiliary voltage operating range: 9V-48V
- Durability: IP67 waterproof aluminum enclosure
- Dimensions: L 380mm x W 295mm x H 98mm
- Ambient operation range: Active liquid cooling with -40C to +55C
- Control Processor: Dual Core DSP
- Magnetics: Planar
- Semiconductor Power Switches: SiC Mosfets
- Software: Includes source code for Control, Communication, UDS and Bootloader.



We Develop You **Unique** and **Valuable**



Contact us: 

Phone: (747) 955-2555

Email: info@hepeg.com

Web: www.hepeg.com

Location: Los Angeles, CA

Thank You !

