



NetPower e-Mobility

NetPower's e-Mobility product line includes on-board DC/DC converters an on-board charger (OBC) and a OBC + DC/DC combo with various input and output voltage ranges. To comply with the automotive quality standard, NetPower has implemented total quality control for efficient and high-quality manufacturing and lifecycle traceability. All converters have passed stringent qualification tests and are widely used in electric vehicles, commercial vehicles, marine, yacht and other e-mobility applications.

In addition to the rich standard portfolio of products NetPower is highly capable of providing custom power solutions. Its mature and technologically advanced product platforms coupled with NetPower's strong engineering capabilities result in a fast development cycle and ensures a high reliability of the custom products.

NetPower has put a great emphasis on its quality management from engineering to manufacturing up to their customer service. As a result, NetPower has been successfully supporting many high reliability applications in various markets with hundreds of satisfied customers and millions of products running to full satisfaction in the field worldwide.

EV On-board DC/DC Converters

NetPower EV On-board DC/DC converters are available with multiple input voltage ranges covering from 60 up to 800VDC. These converters are made with mature building blocks, enabling a short development cycle to satisfy customers' requirements.

Planar magnetics, SMT process and soft-switching techniques ensure a high efficiency, high reliability and a high power density. These converters work intelligently with a BMS.



Main features:

- Standard products available from 1KW up to 4.2KW. Higher power solutions can be archived through parallel connection of multiple converters or custom designs.
- Constant Current for battery charging applications
- Input and output polarity reverse protections
- Input pre-charge
- CAN 2.0B interface
- Bootloader via CAN-bus
- IP67 rated enclosure
- Both liquid and convection cooled models
- Full set of protections

EV On-board Chargers

NetPower EV On-board chargers are available with universal input voltage ranging for 85VAC up to 265VAC and either as a single 6.6KW OBC (On-Board Charger) or as a 2-in-1 integrated 6.6KW OBC + 2.5KW DC/DC converter combination.

To comply with the high quality standard of automotive grade components, NetPower has implemented total quality control to enable traceability, keep its design and manufacturing processes in check and ensure the high reliability of its products.

Thanks to the market-leading performance and superior quality, these chargers are widely used in electric vehicles as well as other battery-powered equipment.



Main features:

- Standard version of 6.6KW and 6.6KW OBC + 2.5KW DC/DC Converter combination available of the shelf.
- Universal AC input voltage.
- Low profile design.
- Active power factor correction, PF> 0.95
- Complaint with SAE J1772-2017
- CAN 2.0B interface
- IP67 rated enclosure
- Liquid cooled
- Full set of protections

If you would like to have more information about one of the NetPower e-Mobility products or if you would like to request a sample please inquire with your contact at Alcom so we can help you out finding the most suitable solution for your application!