2-in-1 On-board Charger and DC-DC Converter

Power	6.6KW OBC + 2.5KW DC/DC
OBC Input Voltage	85-265Vac
OBC Output Voltage	200-480Vdc
OBC Output Current	0-22.7A
DC/DC Output Voltage	13.5Vdc
DC/DC Output Current	0-220A
Inverter Voltage	110Vac
Operating Temperature	-40°C ~ +85°C
Cooling	Liquid
Dimension	428.0 x 326.3 x 76.5 mm
Weight	8.4Kgs
Ingress Protection	IP67
Interface	CAN BUS

Custom Solutions

In addition to its rich offering of standard power conversion products in IT, industrial, railway, vehicle, robotics, automation, LED lighting, etc., NetPower is highly capable of providing custom power solutions. Its mature and technology advanced product platforms coupled with its strong engineering capabilities result in fast development cycle and ensures high reliability of the custom products.

Quality Management and Customer Satisfaction

NetPower has put great emphasis on its quality management from engineering, manufacturing to customer service. As a result, NetPower has been successfully supporting many high reliability applications in various market sectors with hundreds of satisfied customers and millions of reliable products running in the field worldwide. With its firm believe of long-term partnership, NetPower offers high quality products backed by top-latch services at competitive cost.

NetPower Corporation
1680 Prospect Dr. #200
Richardson, TX 75081

Toll Free: 866-638-7693
Phone: +1 972.560.0500 ext.220
Fax: +1 972.560.0210

E-mail: sales@netpowercorp.com
support@netpowercorp.com
Web: www.netpowercorp.com

NetPower

ELECTRIC VEHICLE ON-BOARD DC-DC AND CHARGERS

www.netpowercorp.com

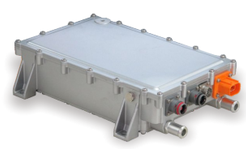
EV On-board DC-DC Converters

NetPower EV on-board DC-DC converters are available with multiple input voltage ranges covering from 65V up to 800V. These converters are made with mature building blocks enabling short development cycle to satisfy customers' requirements. Planar magnetics, SMT process and soft-switching techniques ensure high efficiency, high power density and high reliability. These digital converters work intelligently with BMS. Standard products are available from 800W to 5KW. Higher power solutions can be achieved through parallel of multiple converters or custom designs.

- ◎ Constant current for battery charging applications
- ◎ Parallel operation for higher power
- ◎ UDS bootloader, diagnostic optional
- ◎ J1939 communication, bootloader, diagnostic optional
- ◎ Customized CAN communication optional
- ◎ Programmable CV/CC output
- ◎ IP67 Enclosure, liquid or conduction cooled

65-120V Input DC-DC Converter

Series	Input Voltage	Power Range	Efficiency	Output Voltage	Communication	Cooling Method
CD11K5	65-120V	1.5KW	92%	14, 28V	CAN	Liquid
CD13K0	65-120V	3.0KW	92%	14, 28V	CAN	Liquid
CD14K2	65-120V	4.2KW	93%	28, 55V	CAN	Liquid



250-450V Input DC-DC Converter

Series	Input Voltage	Power Range	Efficiency	Output Voltage	Communication	Cooling Method
CD12K0	250-410V	2.0KW	95%	14, 28V	CAN	Liquid
CD13K3	270-410V	3.3KW	94%	14, 28V	CAN	Liquid
CD14K0	255~450V	4.0KW	94%	14, 28V	CAN	Liquid

400-800V Input DC-DC Converter

Series	Input Voltage	Power Range	Efficiency	Output Voltage	Communication	Cooling Method
CD1800	400-800V	0.8KW	94%	28, 48V	CAN	Conduction
CD12K0	400-800V	2.0KW	94%	14V	CAN	Liquid
CD13K0	400-800V	3.0KW	95%	14, 28, 48V	CAN	Liquid
CD13K0	400-800V	3.0KW	95%	28V	CAN	Conduction
CD15K0	400-800V	5.0KW	93%	14V	CAN	Liquid

EV On-board Chargers

NetPower EV On-board chargers are available with universal input voltage and either single 6.6KW OBC or 2-in-1 integrated 6.6KW OBC, 2.5KW DC/DC and 1.6KW inverter.

To comply with the high quality standard of automotive 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 converters are widely used in electric vehicles as well as other battery-powered equipment.

- ◎ Universal AC input voltage
- ◎ CAN communication
- ◎ Low profile
- ◎ Active power factor correction, PF>0.95
- ◎ Compliance with SAE J1772 / IEC 61851
- ◎ IP67 Enclosure
- ◎ Intelligent charging
- ◎ Full set of protection features
- ◎ Liquid cooled

6.6KW EV On-board Chargers

Power	6.6KW
Input Voltage	85-265Vac
Output Current	0-22.7A
Output Voltage	200-480Vdc
Operating Temperature	-40°C ~ +85°C
Cooling	Liquid cooled
Dimension	8.0Kgs
Weight	428.0 x 326.3 x 76.5 mm
IP rate	IP67
Interface	CAN BUS