

Highlights

- ⦿ High power density
- ⦿ Intelligent charging modes
- ⦿ Full set of protections
- ⦿ CAN2.0B interface
- ⦿ Capable of parallel operation
- ⦿ SAE J1772 or IEC 61851 compliance
- ⦿ IP67 enclosure



| Part No. | Input Voltage | Output Voltage | Output Power | Cooling Method |
|-----------------|---------------|---|---------------|----------------|
| CAD26K6A-142K5L | 85-265Vac | 200-480Vdc (OBC) | 6.6kW (OBC) | Liquid |
| | | 13.5Vdc (DC-DC) | 2.5kW (DC-DC) | |
| CBD36K6A-142K5L | 85-265Vac | 200-480Vdc (OBC) | 6.6kW (OBC) | Liquid |
| | | 13.5Vdc (DC-DC) | 2.5kW (DC-DC) | |
| | | 110Vac / 1.6kW or 220Vac / 3.3kW (Inverter) | | |
| CA16K6-2AL | 85-265Vac | 400-850Vdc | 6.6kW | Liquid |
| CAD26K6B-142K5L | 85-265Vac | 400-850Vdc (OBC) | 6.6kW (OBC) | Liquid |
| | | 14Vdc (DC-DC) | 2.5kW (DC-DC) | |
| CAD26K6B-283K0L | 85-265Vac | 400-850Vdc (OBC) | 6.6kW (OBC) | Liquid |
| | | 28Vdc (DC-DC) | 3.0kW (DC-DC) | |

EV ON-BOARD CHARGERS & DC-DC CONVERTERS 2023-2024



EV On-Board DC-DC Converters

Highlights

- ⦿ Programmable battery charging current
- ⦿ Full set of protections
- ⦿ CAN2.0B interface
- ⦿ Bootloader via CAN bus
- ⦿ Capable of parallel operation
- ⦿ IP67 enclosure

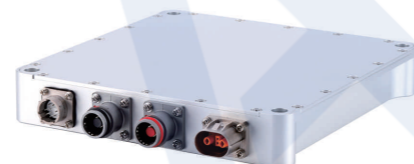
Customization

- ⦿ Input reverse polarity protection
- ⦿ Customized CAN communication
- ⦿ J1939 communication, bootloader, diagnostic
- ⦿ UDS bootloader, diagnostic



65-120V Input DC-DC Converters

| Part No. | Input Voltage | Output Voltage | Output Power | Cooling Method |
|-------------|---------------|----------------|--------------|---------------------|
| CD11K5-xxLy | 65-120V | 14, 28V | 1.5kW | Liquid / Conduction |



250-430V Input DC-DC Converters

| Part No. | Input Voltage | Output Voltage | Output Power | Cooling Method |
|-------------|---------------|----------------|--------------|---------------------|
| DE13K0-xxAy | 250-430V | 14, 28V | 3.0kW | Liquid / Conduction |
| DG14K0-xxAL | 250-430V | 14, 28V | 4.0kW | Liquid |
| DG15K0-xxAL | 250-430V | 14, 28V | 5.0kW | Liquid |
| DG16K0-xxAL | 250-430V | 14, 28, 48V | 6.0kW | Liquid |

Note: xx stands for output voltage.
y can be L (Liquid) or C (Conduction).

400-850V Input DC-DC Converters



| Part No. | Input Voltage | Output Voltage | Output Power | Cooling Method |
|-------------|---------------|----------------|--------------|---------------------|
| CD1800-xxBC | 400-850V | 14, 28, 48V | 0.8kW | Conduction |
| DE12K5-xxBy | 400-850V | 14V | 2.5kW | Liquid / Conduction |
| DE13K0-xxBy | 400-850V | 14, 28V | 3.0kW | Liquid / Conduction |
| DG14K0-xxBL | 400-850V | 14, 28, 48V | 4.0kW | Liquid |
| DG15K0-xxBL | 400-850V | 14, 28, 48V | 5.0kW | Liquid |
| DG16K0-xxBL | 400-850V | 28, 48V | 6.0kW | Liquid |

HV-to-HV DC-DC Converter

Highlights

- ⦿ Programmable battery charging current
- ⦿ Bi-directional buck-boost operation
- ⦿ Full set of protections
- ⦿ CAN2.0B interface
- ⦿ Bootloader via CAN bus
- ⦿ Capable of parallel operation
- ⦿ IP67 enclosure



| Part No. | Input Voltage | Output Voltage | Output Power | Cooling Method |
|---------------|---------------|----------------|--------------|----------------|
| NBD130K-500BL | 250-850V | 250-850V | 30kW | Liquid |

Note: xx stands for output voltage.
y can be L (Liquid) or C (Conduction).