



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 sealed housing



Model	Input Voltage	Output Voltage	Output Power	Cooling
CAD26K6L-141K0L ^①	85-265Vac	80-120Vdc (OBC)	6.6kW (OBC)	Liquid
		13.8Vdc (DC-DC)	1.0kW (DC-DC)	
CA120K-1DL ^①	85-265Vac (1Ø)	200-480Vdc	18kW	Liquid
	85-265Vac (3Ø+N)	200-480Vdc	20kW	
CAD26K6A-142K5L	85-265Vac	200-480Vdc (OBC)	6.6kW (OBC)	Liquid
		13.5Vdc (DC-DC)	2.5kW (DC-DC)	
CAD26K6A-143K0L	85-265Vac	200-480Vdc (OBC)	6.6kW (OBC)	Liquid
		14Vdc (DC-DC)	3.0kW (DC-DC)	
CA120K-2DL ^①	85-265Vac (1Ø)	400-850Vdc	18kW	Liquid
	85-265Vac (3Ø+N)	400-850Vdc	20kW	
CAD26K6B-143K0L	85-265Vac	400-850Vdc (OBC)	6.6kW (OBC)	Liquid
		14Vdc (DC-DC)	3.0kW (DC-DC)	
CAD26K6B-283K0L	85-265Vac	400-850Vdc (OBC)	6.6kW (OBC)	Liquid
		28Vdc (DC-DC)	3.0kW (DC-DC)	

① To be released



LV-to-LV DC-DC Converters & Battery Equalizers

Highlights

- Input to output non-insulated
- Full set of protections
- IP67 sealed housing
- Lightweight and compact size allows ease of integration

Customization

- Input/Output reverse polarity protection
- Switched and unswitched outputs
- Ignition enable signal
- Parallel operation
- CAN 2.0B interface



Model	Input / Output Voltage	Output Current	Type	Cooling
NE1500-14KA ^①	24V / 12V	36A	Equalizer	Air
NE1300-24VA ^①	12V / 24V	12.5A	Equalizer	Air
ND1120-12RC ^①	35-60V / 12V	10A	Converter	Conduction
ND1200-24RC ^①	35-60V / 24V	8.3A	Converter	Conduction
ND1360-12KA	18-36V / 14V	30A	Converter	Air
ND1500-14RA	10-75V / 14V	36A	Converter	Air
ND11K0-56VAC ^①	11-16V / 56V	18A	Converter	Air
NBD12K4-24RA ^①	40-60V / 24V	100A	Converter	Air

① To be released

LV-to-HV DC-DC Converter

Highlights

- Programmable battery charging current
- Galvanic isolation between input and output
- Full set of protections
- CAN 2.0B interface
- IP6K9K sealed housing

Customization

- Input reverse polarity protection
- Customized CAN protocol
- J1939 communication, bootloader, diagnostic
- UDS bootloader, diagnostic
- MPPT for PV



Model	Input Voltage	Output Voltage	Output Power	Cooling
PD1600-450LC	9-60V	255-450V	600W	Conduction

HV-to-LV DC-DC Converters

Highlights

- Galvanic isolation between input and output
- Input reverse polarity protection
- Full set of protections
- CAN 2.0B interface
- IP67 sealed housing

Customization

- Parallel operation
- Customized CAN protocol
- J1939 communication, bootloader, diagnostic
- UDS bootloader, diagnostic



65-120V Input DC-DC Converters

Model	Input Voltage	Output Voltage	Output Power	Cooling
CD11K5-xxLy	65-120V	14, 28V	1.5kW	Liquid / Conduction

250-430V Input DC-DC Converters

Model	Input Voltage	Output Voltage	Output Power	Cooling
CD11K2-xxAC	250-430V	14, 28V	1.2kW	Conduction
DE13K0-xxAy	250-430V	14, 28, 48V	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 voltages
y can be L (Liquid) or C (Conduction)

400-850V Input DC-DC Converters



Model	Input Voltage	Output Voltage	Output Power	Cooling
CD1800-xxBC	400-850V	14, 28, 48V	800W	Conduction
DE13K0-xxBy	400-850V	14, 28, 48V	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	14, 28, 48V	6.0kW	Liquid
DG112K-28BLB ^①	400-850V	28V	12kW	Liquid

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

HV-to-HV DC-DC Converters

Highlights

- Programmable battery charging current
- Bi-directional buck/boost operation mode
- Input to output non-insulated
- Full set of protections
- CAN 2.0B interface
- Capable of parallel operation
- IP67 sealed housing



Model	Input Voltage	Output Voltage	Output Power	Cooling
NBD130K-500BL	250-850V	250-850V	30kW	Liquid
NBD180K-500BL ^①	250-850V	250-850V	80kW	Liquid
NBD1120K-500BL ^①	250-850V	250-850V	120kW	Liquid
NCE160K-500BL	250-900V	150-920V	60kW	Liquid

① To be released