

ON-BOARD CHARGERS

BCL25 Series Inverter Charger

The **BCL25-700-8** is a 22-25 kW On-Board Charger with Export Functionality for (Hybrid) Electric Light Commercial, Medium- to Heavy-Duty Vehicles & Non-Vehicle Applications

Features & Benefits

- Liquid cooled on-board charger with export functionality up to 25 kW
- Single-phase (190 - 264 VAC) or three-phase (330 - 528 VAC) input voltage
- Possibility to connect to EVSE Charging Station (EV Std. IEC 61851-1) or directly to public grid
- DC output voltage from 250-800 VDC with constant current of 60 A
- Parallelable up to 4 units with EMC filter built inside
- Soft-start functionality included to start-up induction motors
- IEC 61851-21-1 & ECE R10.6 certifications
- SAE J1772 & CAN interface SAE J1939 compliant
- IP67 & IP6K9K compliant
- Active HVDC interlock monitoring
- Over-temperature, output over-voltage and over-current protections
- Operating temperature -40°C to 60°C at full load
- Dimensions: 705 x 106 x 359 mm (27.75 x 4.17 x 14.13 in)
- Mating connector kit BCL25-700-CON-KIT available



Model	AC-DC CHARGE MODE					DC-AC EXPORT MODE					
	AC Input		DC Output			DC Input		AC Output (three-phase)			
	Voltage Range [Vrms]	Max. Input Current [Arms]	DC Output Voltage [VDC]	Max. Charging Current [ADC]	Max. Charging Power [kW]	Voltage Range [VDC]	Max. Input Current [ADC]	Output Voltage [VAC]	Max. Output Current [Arms]	Max. Output Power [kVA]	
BCL25-700-8	190 - 264 (single phase) 330 - 528 (three phase) (47 - 63 Hz)	32 (single/three phase)	250 - 800 (single/three phase)	60 (three phase)	6.6 (single phase) 21 / 23.5 (three phase)	250 - 800	60	400/480 (50/60 Hz) CAN adjustable	32	21 / 23.5	



BCN25 Series Charger

The **BCN25-700-8** is a 25 kW liquid cooled on-board battery charger that converts 3-phase AC voltage to DC voltage in hybrid or full electric vehicles, operating in mining, automotive and industrial environment. Features include very high efficiency, high reliability, low output voltage noise (DC), and excellent dynamic response to load/input changes.

Features & Benefits

- Typical efficiency 93%
- Output power 25 kW (1 unit) up to 100 kW (4 units)
- SAE J1939 compliant CAN bus communication interface
- SAE J1455 compliant environmental standards
- IP65 and IP67 protection rating
- UL2202 approved
(Standard for Electric Vehicle Charging System Equipment)
- Over-temperature, output over-voltage and over-current protections
- Stackable Chassis



BCV200 Series Inverter Charger System

The **BCV200-350-8** is a 20 kW inverter charger system consisting of three subsystems: 15 kW Bi-Directional Inverter Charger, 4 kW 12 V Down Converter, 1 kW 24 V Down Converter.

Features & Benefits

- Typical efficiency 93%
- SAE J1939 compliant CAN bus communication interface
- SAE J1455 compliant environmental standards
- IP65 and IP67 protection rating
- Coolant operating temperature range -30 to +60 °C
- Liquid cooled
- Over-temperature, output over-voltage and over-current protections
- Dimensions 650 x 100 x 491 mm (25.6 x 3.9 x 19.3 in)
- Mating connector kit BCV200-CON-KIT available



Model	15 kW INVERTER CHARGER			4 kW DOWN CONVERTER	1 kW DOWN CONVERTER
	CHARGE MODE		EXPORT MODE		
	AC Input Voltage [VAC]	HV Output Voltage [VDC]	AC Output Voltage [VAC]	Output Voltage [V]	Output Voltage [V]
BCV200-350-8	90 - 264 (47 - 63 Hz)	250 - 435	120/240 (Split phase)	12 (CAN adjustable)	24 (CAN adjustable)