

Converting 3-phase AC to DC voltage

Bel Power Solutions offers the BCN25â€00â€8 onâ€board battery charger. It provides J1939â€connectivity.



The 25-kW battery charger is liquid-cooled (Photo: Bel Power Solutions)

The battery charger is designed for charging hybrid and electrical vehicles operating in mining and industrial environments. It provides a 25â€kW output power. The product converts 460 V_{AC} to 575 V_{AC} voltages and 250 V_{DC} to 800 V_{DC} voltages. It is controlled by means of J1939 messages. Overâ€temperature and output over-voltage as well as over-current protection is implemented. The battery charger comes in an IP65- or IP67â€rated housing. It is not intended for usage in public grids, because it does not meet EN 61000â€3â€12 for harmonics current emissions.

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