

# Electronics for Railway & Public Transport

From Design to Manufacturing



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#### DC Battery Charger (2x3.6kW module)

Low power DC battery charger developed specifically for public charging hubs and parking.

- Compact IP67 solution, suitable for under-street installations
- SiC Technology
- Bidirectional architecture (V2G ready)
- 400  $V_{DC}$  Max Output Voltage (CCS2 compatible)
- 450 ÷ 550 V<sub>DC</sub> Input Voltage
- 98% efficiency at full load

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#### **CRT Remote Terminal**

This Remote Terminal is an extension of the Chronological Events Recorder HMI, for data acquisition of on-board events or for maintenance.

- 24 keys keypad
- 16 status LED
- 240x64 px
- 4 Digital Input channels
- 4 Digital Output channels
- (MVB optional) • Power 24V/72

#### commissioning while CANopen is used for run-time control. • 600 $V_{DC}$ Input power • Fieldbus RS-485

- 380÷400 V<sub>AC</sub> Output (3 Ph)
- 50Hz frequency
- Rated Power 30kVA
- Protection degree:
  - IP5x (power electronics)
- IP2x (control electronics)



**Power DC/AC Inverter** 

Designed to operate with an extended supply

voltage range even under extreme ambient

temperatures. Ethernet port is available for

# **High voltage PSU**

**Compact** and robust DC/DC power supply suitable for both submarine and railway applications.

- SiC Technology
- 2100  $V_{DC}$  Nominal Input voltage
- 300 V<sub>DC</sub> Nominal Output voltage
- Max Output current 50A
- Max Output power continuous 15kW
- NO auxiliary supply required

# DC Battery Charger (50kW module)

High power modular DC battery charger up to 350kW, for EV batteries.

- SiC Technology
- Bidirectional architecture (V2G ready)
- 950 V<sub>DC</sub> Max Output Voltage (CCS2 compatible)
- Input Voltage up to 1500 V<sub>DC</sub> (customizable)
- 97% efficiency at full load
- Air or water cooling (customizable)

### **REDI - Electronic track relay**

REDI is used in Signalling Systems, in particular to signal occupied/unoccupied track circuits. It detects the failure of any insulated joint, working with different track circuit types (single rail track circuit, double rail track circuit, 50 Hz, 83.3 Hz PSK).

- SIL4 certified
- RFI IS402 compliant

# R Prima Electro electronics and laser technologies

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