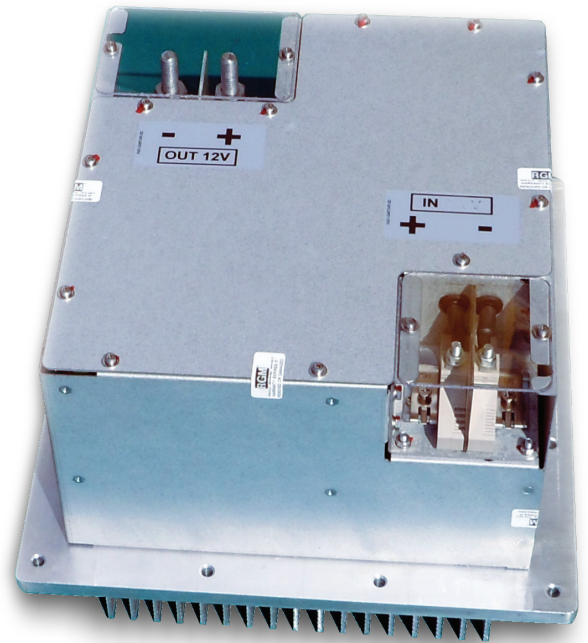




750 VDC Catenary Supplied HV to LV Battery Charger 3 kW; 12 / 24 / 48 VDC

- **Multilevel power circuit**
- **Full digital control**
- **High frequency modulation**
- **CAN bus / Serial port interfaces available**



750 VDC catenary supplied battery charger is the first RGM device based over multilevel power circuit configuration.

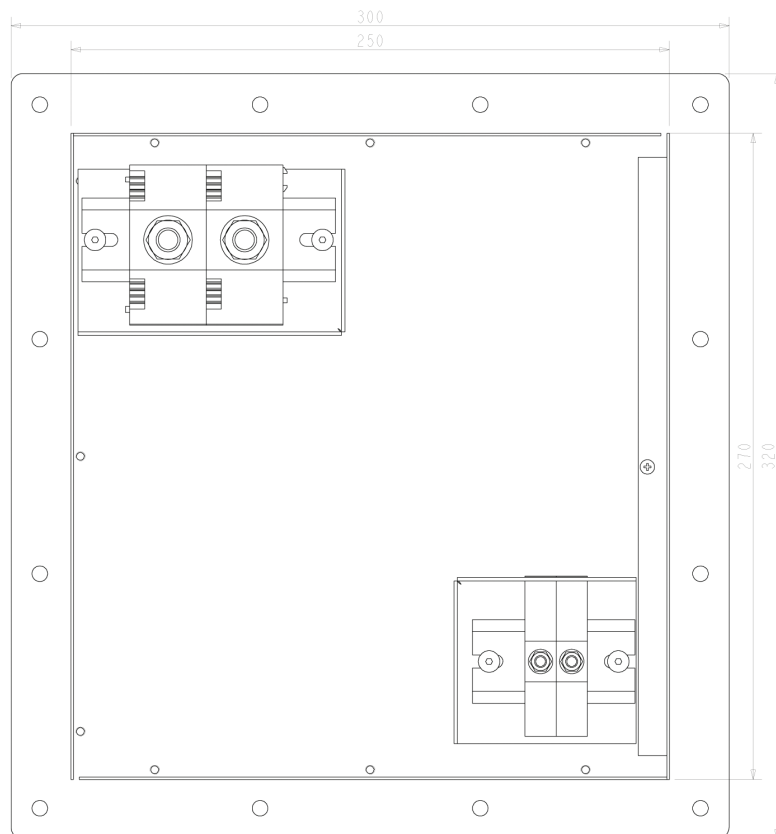
A highly integrated and sophisticated digital control, together with this state-of-the-art design, allows to use very high carrier modulation frequencies respect to the common devices in the same voltage/power class; this means lighter magnetic parts, improved output quality in terms of ripple and EMI, and enhanced efficiency.

The free-air heatsink fits the most common needs of the catenary supplied vehicles manufacturers; however, the same device can be equipped by fan cooled or liquid cooled heatsink, to reduce weight and size.

750 VDC Catenary Supplied HV to LV Battery Charger 3 kW; 12 / 24 / 48 VDC

TECHNICAL SPECIFICATIONS

Input voltage	As per EN 50124-2, 750 VDC nominal
Input current	8 A max
Output voltage	12 / 24 / 48 VDC
Output current	250 / 125 / 64 A
Switching frequency	80 kHz
Insulation	3,5 kV / 3,5 kV / 1,5 kV (prim / sec / case)
Pout nominal	3000 W
Environment (full performances)	-20°C to 55°C, humidity < 90% non-condensing, altitude < 2240m ASL.
Cooling	Natural convection
Dimensions (mm.)	320 x 300 x 230 (wall mounting configuration, with heatsink)
Weight	About 18 Kg



SCALA 1:2

Mechanical layout (dimensions in mm.)