

BRAKE RESISTOR 250KW



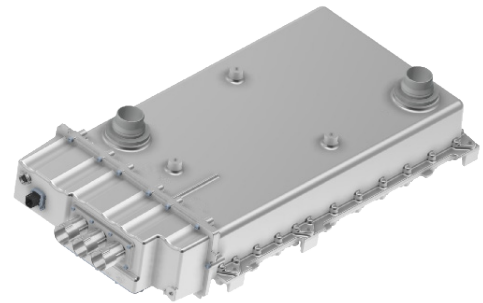
Description

The Brake Resistor ensures quick and consistent converting of excess energy generated during braking in electric motors or generators, thus preventing damage to the system and battery. It converts surplus energy into heat, which is transferred to the ambient air through a coolant in the HV power net.

The Brake Resistors technology is developed and adapted for the new generation of EVs and BEVs, adhering to the stringent safety standards set by IATF. Backers Brake Resistors are among the most efficient in the industry and is in production for various Automotive customers. The brake resistor can be tailored to meet the specific needs of each customer.

Product Benefits

- **Fast response time**
- **In production**
- **Aluminium**
- **Plug-in function**
- **Compact design**



Technical specification

Max Power	250 kW
High Voltage Range	500-850 VDC
Operating temp	-40 °C to +95 °C
Materials	Heating element: EN1.4404 Tank, connection box: EN AC 44 300 Cartridge comp: EN 1.4301 Fasteners: Stainless steel, steel, zinc nickel plated
HV Connector	TE 2399608-1
LV Connector	TE 1-1703773-1

Dimension Inc. spigots & connectors	853 x 428 x183 mm
Weight, no coolant	40,1 kg
IP Rating	IP6k9k
Operating hours	Customized
Coolant	Ethylene Glycol and water mixture 50/50 %
Nominal pressure	2,8 bar
Safety	HVIL Temperature sensor x2

Application



- **BV & BEV**
- **Medium-duty and heavy-duty trucks, trams, city busses and coaches**
- **Preventing damage to the system and battery**