

BackerShield Braking Resistors

General description

The brake resistor 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.

Applications

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



BackerShield product 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.

TECHNICAL SPECIFICATION	
MECHANICAL and ELECTRICAL PARAMETERS	VALUE
Dimension LxWxH (mm)	854x428x175
Materials	Tank, Connection box EN AC 44300 Heating element EN 1.4404 Element cartridge component material EN 1.4301 Fasteners: Stainless steel, zinc-nickel plated
Weight, no coolant	40.2 kg
Maximum power	250 kW
Support for high voltage	B_850 class
HV connector	TE 2399608-1
LV connector	TE 1-1703773-1
Coolant type	Ethylene glycol (50% water, 50% glycol)
Nominal pressure	2.8 bar
IP rating	IP6KX/X6K/X7/X9K
Safety	HVIL Temperature sensor



Scan
for more
details

Product certificates



Heating element EN 1.4404
Element cartridge component material EN 1.4301
Fasteners: Stainless steel, zinc-nickel plated