

BACKER BATTERY HEATER



Description

The Backer Battery Heater pre-heats large batteries e.g. in buses, trucks and trams for optimal performance even during very low temperatures. It is equipped with an internal sensor to monitor the liquid temperature and built-in high tension relay and NTC temperature sensor in order to control the power. The Backer Battery Heater meets all requirements of the Automotive Industry and it has been shake- and vibration tested as well as tested during arctic cold, i.e. -40°C.

Technical specification

Weight	5kg
Material	Stainless Steel
Dimension	310x127x127mm
Voltage	650VDC
Power	6000W



- Ensures ultimate performance of Li-Ion batteries even during extreme cold.
- Prolongs the life of the battery

Certified in accordance with following tests

Transient protection - test pulse 4	ESD ISO 10605:2001	Rapid temperature change ISO 16750-4:2010
ISO 16750-2:2006	IEC 61000-4-2:2001	Ice Water / hot air shock test Iso 16750-4:2010
ISO 7637-2:2004	ESD protection	Ice / boiling water shock test IEC 60068-2-14Nc
Transient protection -Test pulse 5b	ISO 10605:2001	Salt mist test
ISO 7637-2:2004	IEC 61000-4-2:2001	Acc to IEC 60068-2-11Ka 168h + 84h + 84h + 168h
EMC, emission	During the test: TP1/A	Vibration and thermal cycling Acc to IEC 60068-2-64Fh, 5g
CISPR25:2002 §6.4	Insulation resistance	Operating voltage
CISPR25:2002 §6.2	ISO 6489-1, 3:2011	ISO 16750-2:2006
CISPR25:2002 §6.3	Dielectric strength	Temperature between -40 and +80°C.
Certified acc to UNECE-10R-04	ISO 6489-3:2011	Altitude 3000m. Insulation / power. Δ Tin connection box Testing @RT.
EMC, immunity	Conducted emissions	Ingress protection
Only cord transmitted	-radio frequency	•IP67, IP6K9K
ISO 11452-2:2004	CISPR25:2002 §6.4	
Certified acc to UNECE-10R-04	CISPR25:2002 §6.2	
Thermal Shock -40->+90°C, acc ISO 16750-4:2006	CISPR25:2002 §6.3	
Dry heat ISO 16750-4:2010	Chemical resistance ISO 16750-5:2003	
	Cold test ISO 16750-4:2010	