



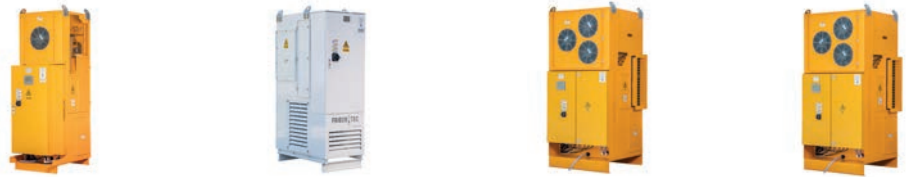
# BatteryCooler

## Cooling technology for battery containers



- Sustainable technology that conserves resources
- High operational reliability, designed for continuous operation
- Low maintenance, energy-saving
- Remote access via FrigorTec Smart Control FSC
- Global service network





BatteryCooler		BC10	BC20	BC30	BC40
Nominal cooling performance	[kW]	10	20	30	40
Performance-controlled	[kW]	3 - 10	10 - 20	15 - 30	25 - 40
Air flow rate	[m <sup>3</sup> /h]	4,000	4,800	6,500	6,500
Cooling mode	[°C]	-25 to +48	-25 to +48	-25 to +48	-25 to +48
Heating mode	[°C]	-25 to +30	-25 to +30	-25 to +30	-25 to +30
Weight	[kg]	350	380	600	600

Subject to changes.

Refrigerant	
Type:	GWP value:
R454B	460
R32	675

## BatteryCooler

Energy storage in the form of batteries plays a key role in today's world; for example, for the operation of electric vehicles and energy systems. When storing batteries, it is extremely important to maintain a defined temperature range. On the one hand, overheating can impair battery performance and shorten their service life. Furthermore, overheated batteries pose an increased risk of fires and explosions.

When developing the BatteryCooler, FrigorTec focused on the cooling requirements for battery containers. Accordingly, it ensures safe and long-term operation even under extreme environmental conditions.

### Highlights BatteryCooler

- Sustainable technology that conserves resources
- High operational reliability, designed for continuous operation
- Low maintenance, energy-saving
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- Global service network

### Technical features of the BatteryCooler

- Robust, welded construction, primed and powder-coated
- Speed-controlled compressor in fully hermetic design
- Suction gas-cooled motor, no risk of overheating
- Self-regulating oil sump heating for reliable lubrication during start-up
- Liquefier consisting of a galvanised steel housing with epoxy-coated aluminium fins
- Condenser fan: speed-controllable EC axial fan in industrial design
- Recirculation fan: speed-controllable EC radial fan in industrial design
- Powder-coated control cabinet, fully wired, complies with VDE standards
- Large-area frame filter, COARSE 90% filter class
- FrigorTec Smart Control FSC, controllable via app
- Optional stainless steel version
- Environmentally friendly refrigerant, meets statutory regulations (EU) No. 517/2014



FrigorTec GmbH is certified to DIN EN ISO 9001 : 2015.

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