

eBTM 2.0

Universal Plug&Play Electrical Battery Thermal Management Unit

8 kW
Cooling

Up to
10 kW
Heating



Cooling

Under stress or in warm weather conditions

Heating

In extremely cold ambient conditions

Pre-Conditioning

During battery charging phases

Balancing

Dynamic temperature adjustment during driving phases

The Webasto eBTM2.0 is a stand-alone Battery Thermal Management Unit which ensures optimal functioning of water-cooled battery packs used in electrical commercial vehicles and ensures ideal battery cell performance over the long term. The unit has been designed in accordance with numerous customers' requirements and has been perfectly tuned for applications in busses, trucks, construction machines and light commercial vehicles. Although the dimensions of the unit are extremely compact (1,000 x 700 x 300mm), all components needed for heating and cooling are already included. This means that pumps, heater, compressor and DC/DC-converter are already integrated, which underlines the simple Plug&Play principle.

Compact design also allows flexible installation so the unit can be mounted in most positions. Same temperature levels in every battery pack can be achieved by our Webasto control software. eBTM 2.0 monitors the current temperature and actively balances between cooling and heating circuits, thus always hitting the "sweet spot". This has a positive effect on the battery lifetime, as well as the performance.

Key Benefits at a Glance:

- Cooling Capacity: 8 kW
- Heating Capacity: 7kW/10 kW
- Plug & Play Installation
- Maximum 3,600 l/h coolant flow
- 400 / 800 V DC
- R1234yf with low GWP
- Roof-top and chassis installation
- Low voltage power supply included on board
- Compact & powerful