

eBTM 2.0

Universal Plug&Play Electrical Battery Thermal Management Unit

7.5 kW
Cooling

10 kW
Heating



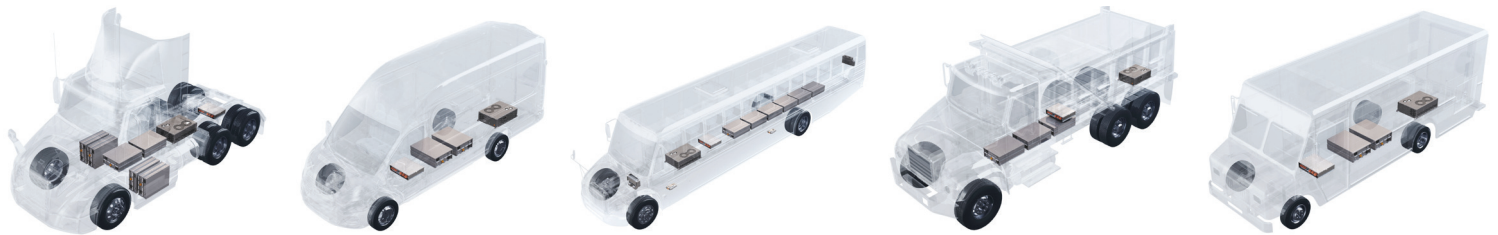
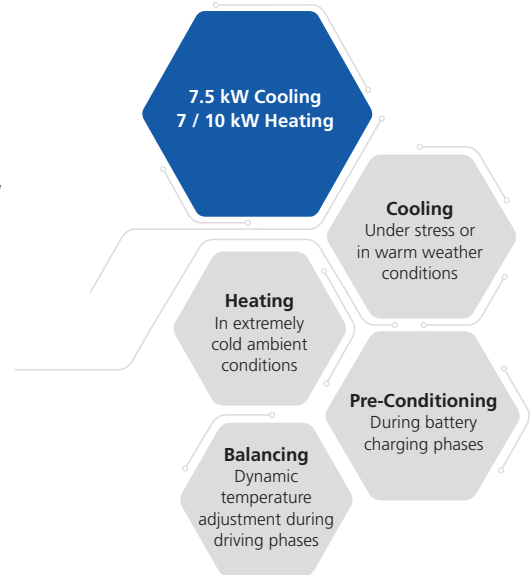
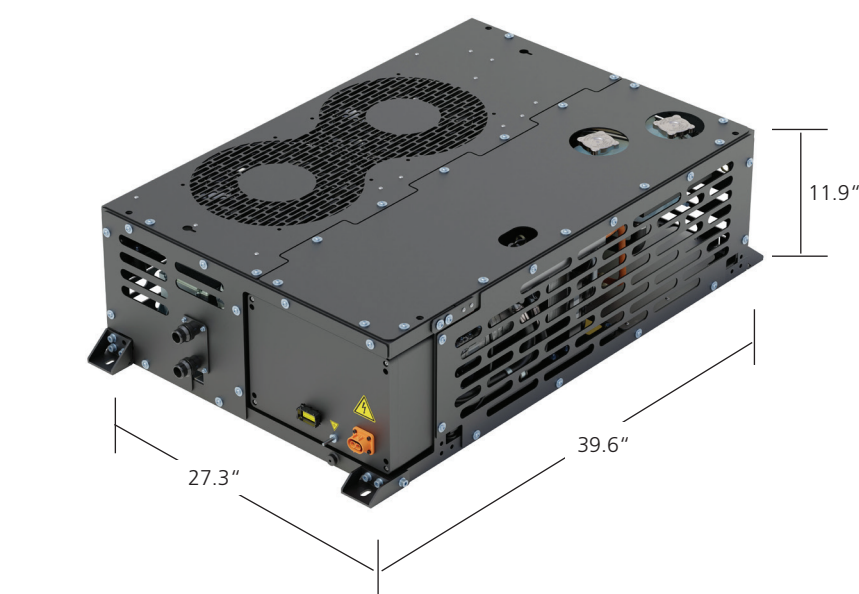
Features:

- Cooling Capacity: 7.5 kW
- Heating Capacity: 7 / 10 kW
- Plug & Play Installation
- Up to 6x Webasto battery packs
- Up to 210 kWh total battery power
- 400 / 800 V DC
- R1234yf
- Roof-top and chassis installation

The Webasto eBTM 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 buses, trucks, construction and light commercial vehicles. Although the dimensions of the unit are extremely compact, all components needed for both heating and cooling are already included. This means that pumps are already integrated, which underlines the simple Plug&Play principle. Compact design also allows flexible installation so the unit can be mounted in any position. This positively effects battery charge consumption, as well as uniform and predictable wear of components.

Technical Specifications

| | eBTM 2.0 | |
|--|---|-----|
| Nominal Voltage (V CD) | 400 | 800 |
| Cooling capacity (kW) | 7.5 | |
| Heating (electrical heater HVH) (kW) | 7 | 10 |
| Max power consumption @HV (kW) | 10.5 | |
| Max battery packs @35 (kW/h) | 6 | |
| Refrigerant | R-1234yf | |
| Nominal coolant volume flow | 60 l/min @ dP 2.1 barA | |
| Communication | CAN BUS | |
| Low voltage supply for ECUs and coolant valves signals | 12/24V (< 5A) | |
| Operational temperature range | - 35 °C ÷ +50 °C | |
| Storage temperature range | - 40 ÷ 158 °F (- 40 ÷ +70 °C) | |
| Compressor | Scroll (High voltage electric) | |
| Dimensions L x W x H | 39.6 x 27.3 x 11.9 in (1006 x 694 x 303 mm) | |
| Weight | < 90 | |



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