Webasto
Feel the Drive

Vehicle Interface Gateway

Small gateway enabling the most flexible and powerful Standard Battery Pro 40 multi-pack solution

The Vehicle Interface Gateway (VIG) enables battery system scalability by allowing up to 18 Webasto Standard Battery Pro 40 to be combined. It acts as an efficient communication gateway between multiple battery packs and the vehicle.

The VIG works as a master BMS which gives customers greater flexibility when combining the Standard Battery Pro 40 to a multi-pack system. This creates a comprehensive modular battery system that is tailored to 400 and 800 V solutions.

Advantages at a glance:

- Powerful master BMS enables scalability of the battery system
- Configuration of up to 18 Standard Battery Pro 40 possible
- Small and flexible system design
- Central CAN communication interface between battery and vehicle
- Designed to the highest safety standards

Standards & norms

- **Homologation:** ECE R10
- **Safety:** ISO 26262 (ASIL C)
- **Vehicle communication:** CAN and SAE J1939 Bus conform to ISO 11898
- **Standards:** LV 124
- **EMC:** UN ECE R10

Additional standards & norms*

- ISO 16750, ISO 19453

Technical specifications

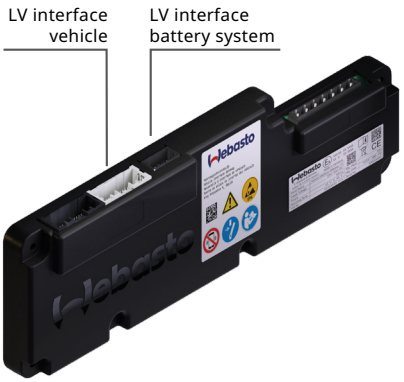
- Enables high power outputs with maximum number of battery packs thanks to no HV limitations
- Intelligent switching concept and central battery pack balancing
- Central coordination and monitoring of isolation measurement on 400 V system
- High voltage interlock monitoring on vehicle level possible
- AC and DC charging possible with additional vehicle-side HV architecture

*Tests & requirements partially fulfilled.
CE-mark VIG also available as a CE-certified product.

Truck | Light vehicle | Bus | Special vehicle

Technical specifications

	VIG
Product dimensions (L x W x H)	314 x 33 x 106 mm
Weight	~0,45 kg
LV supply voltages	12 & 24 V
HV compability	400 & 800 V
Scalable energy	40 – 720 kWh (max. 18 Standard Battery Pro 40)
Scalable power	up to 1,109 kW
Continuous current DCH	1.215 A
Continuous current CH	786 A
Peak current DCH (30 sec.)	1.400 A
Operational temperature	-40 to +85 °C



Contact details

webasto.com