



Superior battery technology

Intelligent battery management system (BMS)

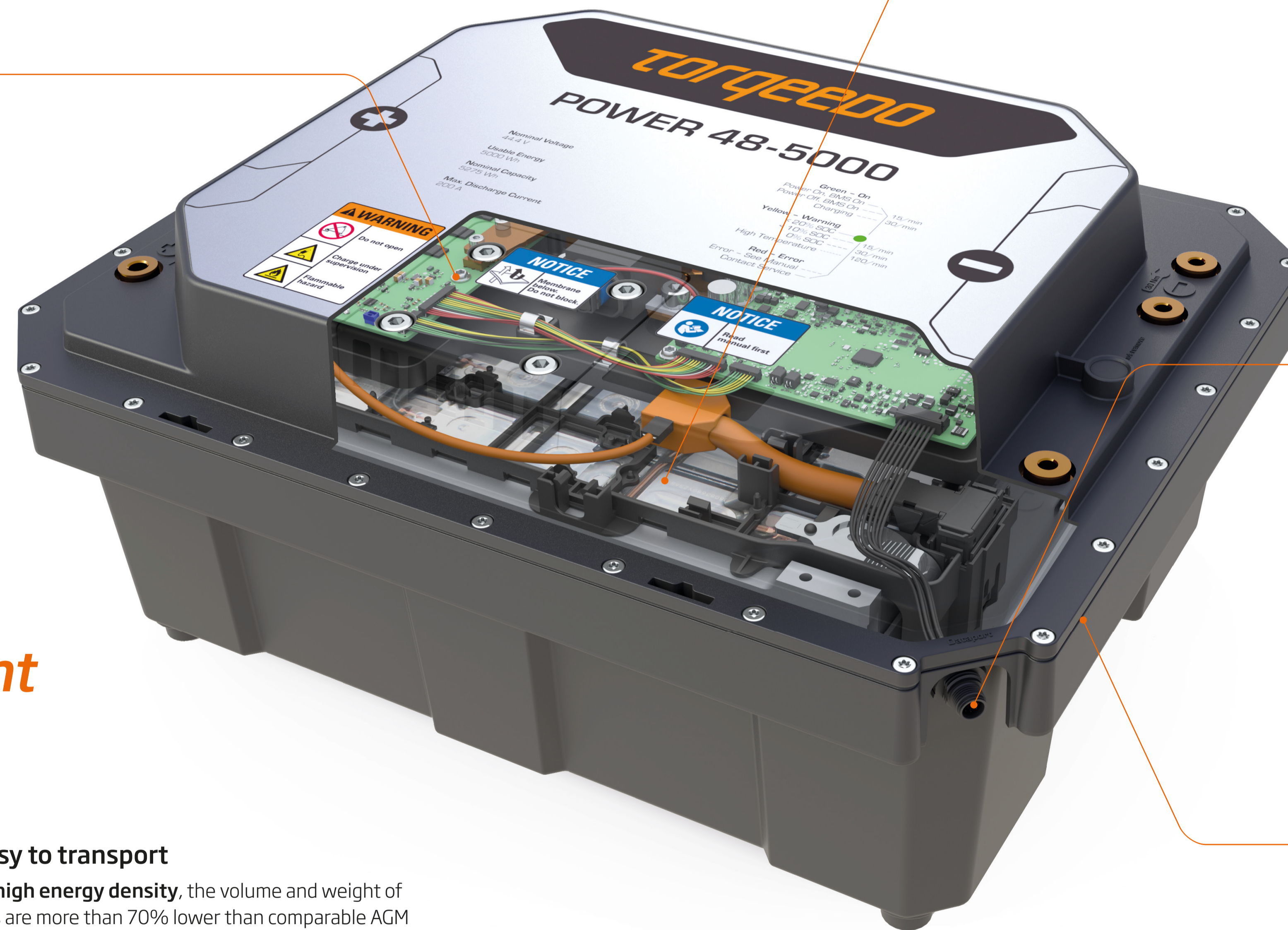
The BMS **monitors and protects** Torqeedo batteries against overcharging, overcurrent, deep discharge, short-circuiting, and overheating. The battery has comprehensive safety features, and each safety-relevant component is duplicated with a backup component should it fail. In addition to these safety features, the BMS safeguards the battery's life expectancy with balancing and deep-sleep functionality.

Powerful

Safe and easy to transport

Thanks to their **high energy density**, the volume and weight of lithium batteries are more than 70% lower than comparable AGM or lead-gel batteries. This makes our low-voltage batteries simple to handle and light to carry. On top of that, Torqeedo Power and Deep Blue batteries can be switched on and off, allowing them to be safely **transported and installed** and protecting them against unintentional discharge.

Convenient



High-quality safety cells

Several hardware mechanisms in every single cell provide additional safety. Torqeedo only uses cells based on lithium (Li-NMC) sourced from the **clean, precision production processes** of reputable manufacturers. In the case of the Power 48-5000, the modules are produced by BMW i.

Dependable and efficient

System communications

The battery electronics continuously communicates all the details of the battery status to the onboard computer.

Completely waterproof

Waterproof housing (IP67): While battery immersion should be avoided, all Torqeedo batteries are, without exception, completely waterproof. The waterproof characteristics of each battery are individually tested prior to delivery.

Waterproof connections: Whether connected or not, all cable connectors are completely waterproof to IP67.