

OFF-SHORE AND MARITIME

Li-Ion batteries with up to 10-kWh and management system

Aentron (Germany) supplies battery systems for maritime, industrial, and other demanding applications. The batteries feature CAN connectivity.



The battery systems are DNVâ€™GL certified for maritime applications; This one is a module with the company's standard format (Source: Aentron)

The products by Aentron are certified for offâ€™shore and maritime usage. The batteries meet the demanding and sometimes harsh conditions on the water down to the last detail. This is also confirmed by the DNVâ€™GL. The maritime classification society have certified the batteries for areas of shipping, offshore installations, speedboats, and light boats. With the DNVâ€™GL certification, the German company is one of the few manufacturers worldwide to offer lithium-ion certified batteries for maritime applications.

The company supplies battery systems with 1â€™kWh, 2â€™kWh, and 10â€™kWh energy. They are available in 12â€™V, 24â€™V, and 48â€™V versions. The products come in an IP66â€™rated enclosure. They are protected against overcharge- and deep discharge. Additionally, the battery temperature is monitored. The products are also suitable for photovoltaic and other industrial as well as mobile

machinery. This includes especially automated guided vehicles (AGV) in logistics applications.

The provided 250â€™kbit/s CAN interface runs the CANopen application layer. It enables access to all process data and can be used to configure the battery system. The integrated battery management system (BMS) enables the monitoring of all functions and technical parameters via CAN. According to the supplier this guarantees additional safety against failure or damage.

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