

Only quality matters.

12V Batteries
48V Batteries

English

RIM DRIVE TECHNOLOGY



Unique Batteries

There are good reasons to select a lithium battery for your application, but there are many reasons to select a **Rim Drive Technology** battery over other batteries.

A rim drive battery has a **high energy density** for a longer battery running time in relation to the battery size, this in combination with high discharge capacity will provide you a long sailing time.

Each battery is produced in a way that these are **powerful** and **reliable**.

“Simplicity is the ultimate sophistication”

Our **lightweight** batteries use the latest technology for incredible weight savings. Due to the **minimal dimensions**, the battery can be used for many applications.

The smart design is making it easy for you to use the battery. In addition, our batteries are **maintenance-free**, so no service attention is required.

To provide the best customer experience, our products work **efficiently** with all our rim drive products.

Datasheet

Battery characteristics

Product name	12V 60Ah	12V 100Ah	12V 200Ah
Article code	300002626	300002627	300002628
Nominal voltage	12.8V	12.8V	12.8V
Nominal capacity	60 Ah	100 Ah	200 Ah

Battery dimensions

Weight	7.6 kg	12.7 kg	28.1 kg
Dimensions (LxWxH)	26x17x22 cm	33x17x23 cm	52x27x23 cm
Terminals	1x plus / 1x minus	1x plus / 1x minus	1x plus / 1x minus
Terminal size	M8	M8	M8
Impedance	<50 mΩ	<50 mΩ	<50 mΩ

Battery specifications

Max. continues charge current	30 A	50 A	50A
Max. continues discharge current	60 A	100 A	100 A
Max. instantaneous discharge current	120 A	200 A	200 A
Maximum charge voltage	14.6 V	14.6 V	14.6 V
Discharge cut-off voltage	10 V	10 V	10 V
Handles	Yes	Yes	Yes

Battery temperatures

Environment	Details	Minimum	Maximum
Operating temperature	Charge	0°C	45°C
	Discharge	-20°C	65°C
Storage temperature	1 month	-20°C	60°C
	3 months	-20°C	45°C
	12 months	-20°C	20°C

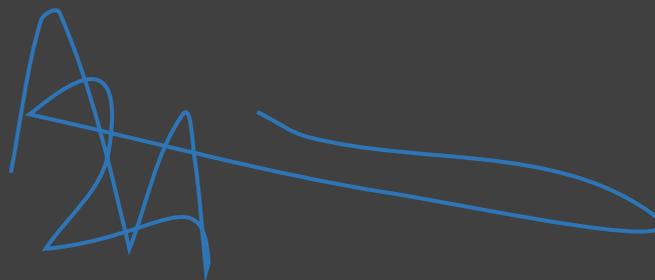
RIM DRIVE TECHNOLOGY

Convince customers, that is our mission. Convince them with many reliable hours of running time with minimum service intervals and a high user experience. If we succeed in this mission, we will succeed with our vision.

*Provide customers **electric** solutions with several advantages compared to combustion engines.*

The high durability, combined with no maintenance costs and affordable pricing makes these batteries a perfect candidate for those who wish to be powered electric. There are multiple technical advantages of our batteries that make a Rim Drive Technology battery a pleasure to use.

With our new generation of LiFePO₄ batteries, we aim to make the use of batteries both easy and affordable.



Specifications Battery Management System (BMS)

Each battery has an integrated Battery Management System (BMS). A BMS is the electronic system that manages a rechargeable battery such as by protecting the battery from operating outside its safe operating area, monitoring its state, calculating secondary data, reporting that data, controlling its environment, authenticating it and balancing it.

Specification	Details	12V 60Ah	12V 100Ah	12V 200Ah
Over charge protection	Detection voltage [V]	3.9	3.9	3.9
	Detection delay time [ms]	<168	<168	<168
	Release voltage [V]	3.85	3.85	3.85
Over discharge protection	Detection voltage [V]	2.0+0.1	2.0+0.1	2.0+0.1
	Release voltage [V]	2.3+0.1	2.3+0.1	2.3+0.1
Over current protection	Detection current [A]	180	<200	<200
	Detection delay time [ms]	1000	1000	1000
	Release condition	Cut load	Cut load	Cut load

Short protection	Protection condition	Exterior short circuit	Exterior short circuit	Exterior short circuit
	Release condition	Cut short circuit	Cut short circuit	Cut short circuit
Over current protection (charging)	Charging current normal range [A]	20-50	50	50
	Protection condition [A]	60	100	100
	Release condition	Disconnect charger	Disconnect charger	Disconnect charger
Overheat protection	Protection condition [°C]	75	75	75
	Release conditions [°C]	65	65	65



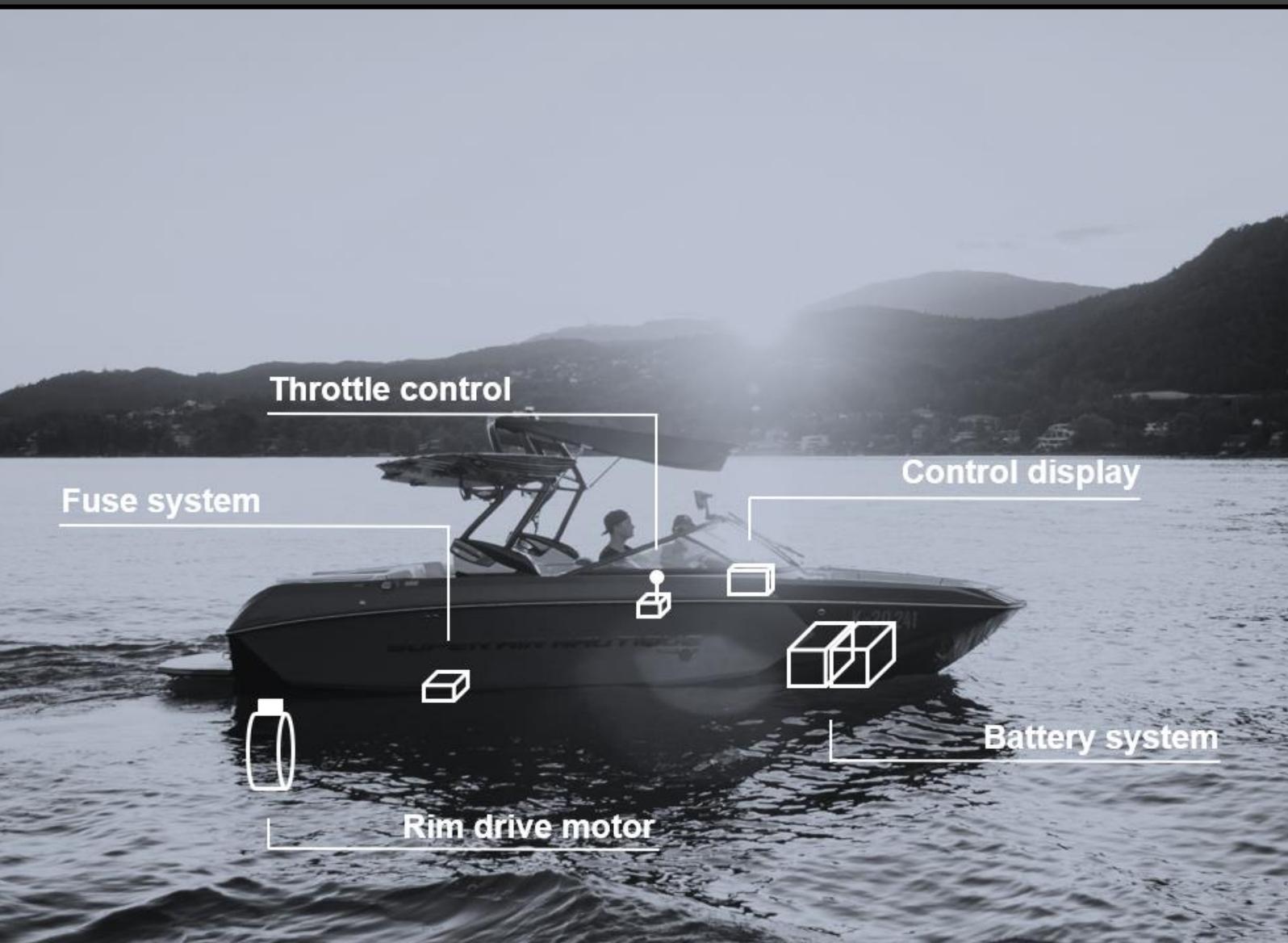
FORGET

**HIGH INVESTMENTS,
DIFFICULT INSTALLATIONS
AND INCOMPLETE
PRODUCTS**

Providing solutions

We want to support our customers from start to finish. To realize this, we offer a wide range of accessories which can increase the user friendliness of our motors. Below you can find the most common accessories used by Rim Drive Technology clients.

We also offer clients the option of individual programming, systems can be tailored-made for an application due to our wide supplier network.



RIM DRIVE TECHNOLOGY

**Uncompromised
Electric Motors**

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