

# Drive system for high speed



## Powerful, quiet, reliable and environmentally friendly

These are the guidelines in the development and manufacture of Kräutler drive systems.

The drive systems for high speeds are optimized for leisureboats. To guarantee this, every system is optimally adapted to the boat's hull during commissioning.

## Everything but not standard!

For a number of years, other manufacturers have been trying to convince the industry of "standard boat propulsion".

We have been building electric drives for 45 years and boat and ship drives for more than 30 years. From our experience and your wishes comes your drive system. These are small series and individual pieces for customers with high demands.

## The battery system

There are many different lithium batteries for various applications and usage profiles. The weight is an important point when selecting the battery. However, not every application requires the high-tech execution, but a solution suitable for the owner. Please do not hesitate to contact us.

## The efficiency

The overall efficiency is optimized by a generous dimensioning of the motor control. The values given in the data sheet correspond to the practice and are not laboratory values.

As a system supplier, we attach great importance to the entire drive train. The power adjustment via the propeller is one of the most important tasks during project planning.

No special drive propellers are used for our drives. We work together with well-known propeller suppliers, whose products have been used all over the world and have been used and developed over decades.

Article no.	Type	Motortype	Power consumption	Power output	Voltage	Current	Total efficiency	Weight
	WA 100/30	112M 30,0 4 W	34,9 kW	30 kW	100 V	349 A	86 %	76 kg
	WA 150/40	132M 40,0 4 W	45,5 kW	40 kW	150 V	303 A	88 %	87 kg
	WA 350/50	IPM 6.17.12	53,8 kW	50 kW	350 V	154 A	93 %	73 kg
	WA 350/60	IPM 6.17.18	64,0 kW	60 kW	350 V	183 A	93 %	102 kg
	WA 500/80	IPM 6.17.25	85,5 kW	80 kW	500 V	171 A	93 %	102 kg
	WA 500/100	IPM 6.17.25	107,5 kW	100 kW	500 V	215 A	93 %	124 kg

The article number (article no.) depends on the configuration of the Lithium batteries.

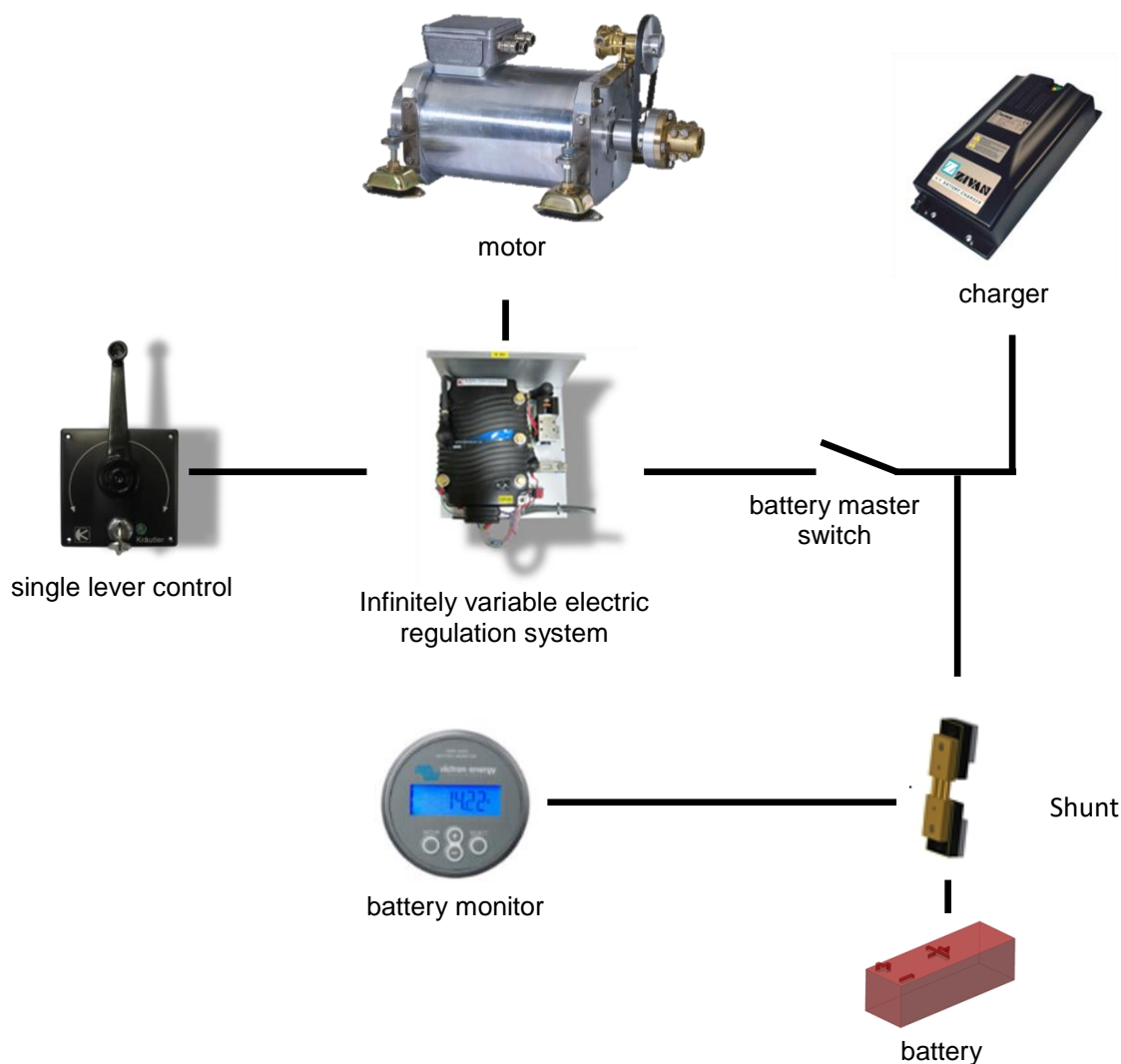


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All electric drives for existing shafting for high speed consist of:

- Motor with appropriate bracket
- Clutch for shaft with Ø25mm
- Electric regulation system mounted on an aluminium base plate with fuse and cut-off relay
- Single lever control (throttle) for panel mounting in standard version with key switch, status LED, black front panel, black aluminium lever and mounting screws
  - Special designs at additional cost
- Cable set: controller-battery 3m, controller-motor 1,5m, controller-single lever control 5m
  - Optional cable lengths at additional cost
- Battery master depending on the voltage system
- Battery pack with charger (except 525 V)

**Attention: Water cooled drives are only useable in seawater with 2-circle water cooling.**



More information can be found in our catalog.  
[www.kraeutler.at/motoren/bootsmotoren](http://www.kraeutler.at/motoren/bootsmotoren)

