

# Outboarder for hand steering or remote control

## Powerful

The Kräutler Outboarder: powerful, quiet and reliable. But every ship is different! We have developed a wide range of brackets and mounting options for the requirements on your boat. Whether mounting on the straight stern, in the engine bay or for mounting at a rudder gland under your ship, Kräutler has the right drive. The leading e-boat manufacturer in Europe confidence our technology, you can also benefit from our decades of experience.



## Controller

With the comfortable single-lever controller a variable speed control in forward and reverse drive is possible. The high-quality electric controller works almost without loss and protects your valuable battery pack against too deep discharge. With the modern controller we have the possibility to adapt the drive system optimally to your ship.

## Low noise

The luxury of being able to move almost silently is the most beautiful experience of navigating with an electrically powered boat. Whole chapters in the literature for the shipbuilding industry are devoted to noise reduction in the powertrain. The electric system with his uniform rotation has a low noise and vibration level.

## Environment friendly

The future drive technology belongs to the electric motor. Besides the higher efficiency of an electric motor compared to a gasoline engine, the electric motor scores with its zero emissions. An additional advantage is that in comparison to the gasoline engine the electric motor is more simple structure and the resulting reduced amount of wear parts.

| Article no.      | Type  | Power consumption | Power output | Voltage | Current | Total efficiency | Weight | up to boat weight |           |
|------------------|---|-------------------|--------------|---------|---------|------------------|--------|-------------------|-----------|
|                  |   |                   |              |         |         |                  |        | Sailing boat      | Powerboat |
| 101939           | GPAV 0,5<br>GPAV 0,5 Pi                                       | 0,5 kW            | 0,4 kW       | 24 V    | 21 A    | 85 %             | 18 kg  | 0,4 t             | 0,2 t     |
| 141058           | GPAV 0,8<br>GPAV 0,8 Pi                                       | 0,8 kW            | 0,7 kW       | 24 V    | 34 A    | 85 %             | 19 kg  | 0,7 t             | 0,3 t     |
| 102781           | GPAV 1,6  | 1,6 kW            | 1,4 kW       | 24 V    | 67 A    | 85 %             | 24 kg  | 1,4 t             | 0,6 t     |
| 101941           | GPAV 1,6 Pi   |                   |              |         |         |                  |        |                   |           |
| 102780           | GPAV 2,2  | 2,2 kW            | 1,9 kW       | 36 V    | 61 A    | 85 %             | 20 kg  | 1,9 t             | 0,8 t     |
| 101942           | GPAV 2,2 Pi   |                   |              |         |         |                  |        |                   |           |
| 138078           | ACAV 1,8  | 2,4 kW            | 1,8 kW       | 24 V    | 100 A   | 75 %             | 25 kg  | 1,8 t             | 0,7 t     |
| 138348           | ACAV 1,8 Pi   |                   |              |         |         |                  |        |                   |           |
| 143790           | ACAV 2,0  | 2,6 kW            | 2,0 kW       | 24 V    | 107 A   | 78 %             | 33 kg  | 2,0 t             | 1,0 t     |
|                  | ACAV 2,0 Pi   |                   |              |         |         |                  |        |                   |           |
| 138392           | ACAV 4,0  | 5,0 kW            | 4,0 kW       | 48 V    | 104 A   | 80 %             | 33 kg  | 4,0 t             | 1,6 t     |
| 137760           | ACAV 4,0 Pi   |                   |              |         |         |                  |        |                   |           |
| possible options |   |                   |              |         |         |                  |        |                   |           |
|                  | GPAV 0,5 and GPAV 0,8 with two-stage switch for speed control |                   |              |         |         |                  |        |                   |           |
| 104817           | Rudder for GPAV   |                   |              |         |         |                  |        |                   |           |
| 138910           | Rudder for ACAV 1,8 to ACR 4,0                                |                   |              |         |         |                  |        |                   |           |
| 105297           | Special shaft length up to 1m                                 |                   |              |         |         |                  |        |                   |           |
|                  | ACAV Boost function 30% power increase for 2 minutes          |                   |              |         |         |                  |        |                   |           |

Length of standard shaft 850mm or 650mm at Pi  
Type designation for remote control e.g.: GPAV 0,5 Pi



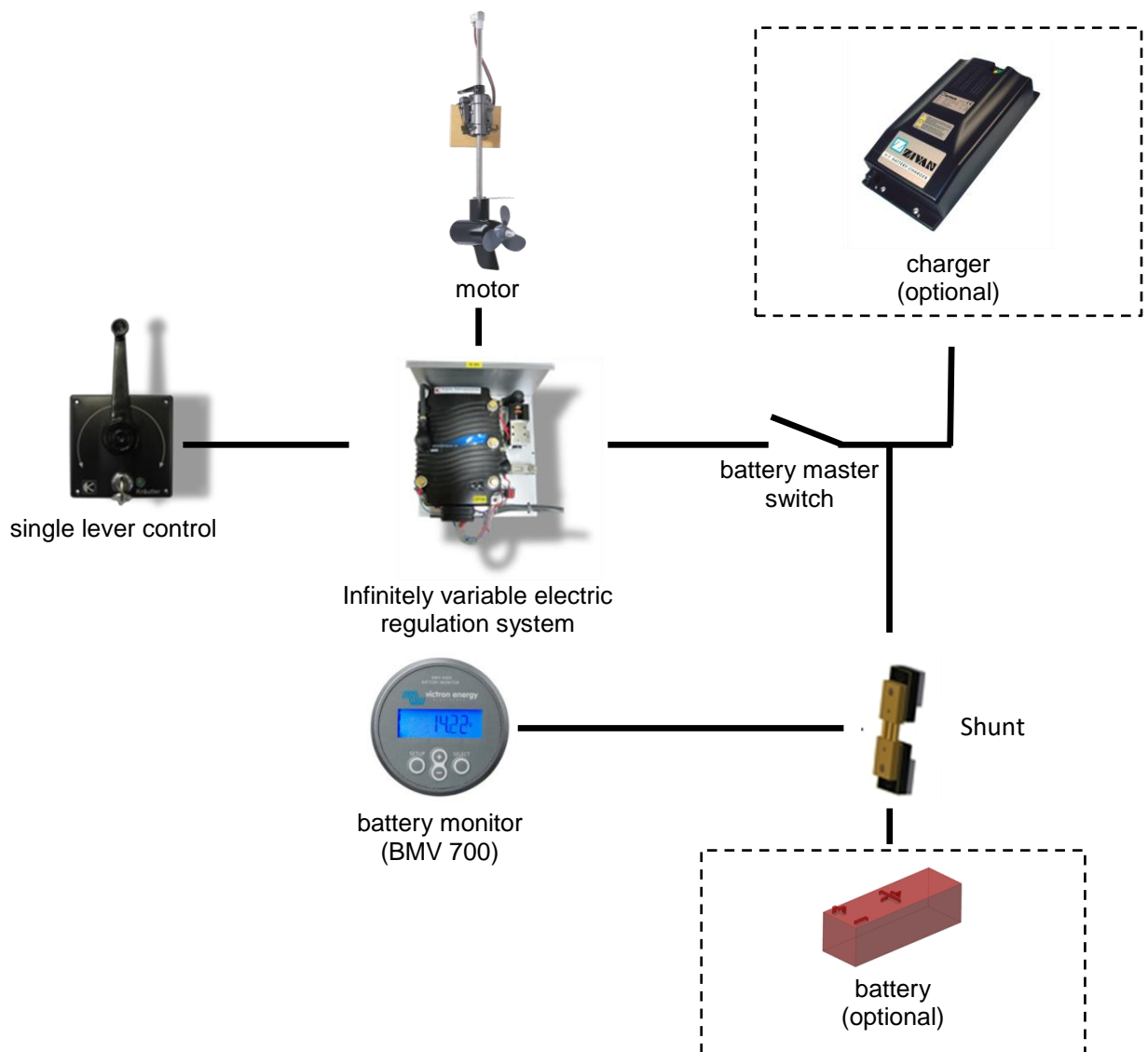
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## All electric drives with Submersible motors consist of

- Motor with appropriate bracket
- 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 switcher and battery fuse
- Battery monitor BMV 700 with shunt and 10m connecting cable
- Fixed propeller
- Anode

**ATTENTION: The GP motors are only for short using in seawater.**



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

