

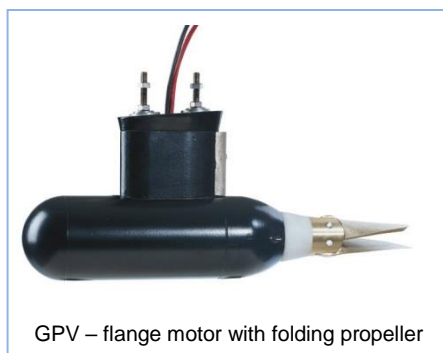
Submersible flange motor

Powerful

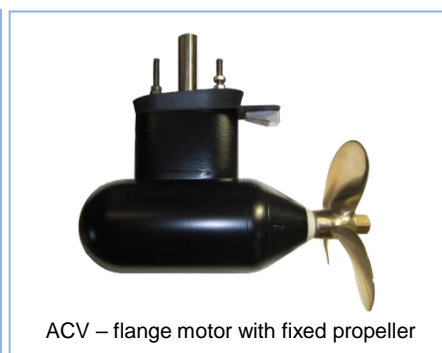
The efficiency of a ship propulsion system depends on the shaft speed and the correct selection of the used propeller. Because of the superior torque curve of an electric motor compared to a gasoline engine, larger 2 - and 3-blade propeller can be used at low shaft speed. Because of this principle, a very high thrust is developed even with small drives. Both the AC and the GP engine are available with either a fixed or folding propeller. Krautler AC drives are also completely maintenance-free.

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.



GPV – flange motor with folding propeller



ACV – flange motor with fixed propeller

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 Krautler underwater drives operates in a low motor speed range and therefore the system doesn't need a gearbox to get the right propeller speed.

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.	Typ	Power consumption	Power Output	Voltage	Current	Total Efficiency	Weight	up to boat weight	
								Sailing boat	Power-boat
101885	GPV 0,5	0,5 kW	0,4 kW	24 V	21 A	85 %	14 kg	0,4 t	-
101901	GPV 0,5-N								
141301	GPV 0,8	0,8 kW	0,7 kW	24 V	34 A	85 %	15 kg	0,7 t	-
141302	GPV 0,8-N								
101887	GPV 1,6	1,6 kW	1,4 kW	24 V	67 A	85 %	20 kg	1,4 t	-
143820	GPV 1,6-N								
101888	GPV 2,2	2,2 kW	1,9 kW	36 V	61 A	85 %	20 kg	1,9 t	-
101904	GPV 2,2-N								
137956	ACV 1,8	2,4 kW	1,8 kW	24 V	100 A	75 %	21 kg	1,8 t	-
137953	ACV 1,8-N								
143352	ACV 2,0	2,6 kW	2,0 kW	24 V	107 A	78 %	29 kg	2,0 t	-
142398	ACV 2,0-N								
138170	ACV 4,0	5,0 kW	4,0 kW	48 V	104 A	80 %	29 kg	4,0 t	-
137782	ACV 4,0-N								
140377	ACV 8,0	9,7 kW	8,0 kW	48 V	202 A	82 %	48 kg	8,0 t	-
140378	ACV 8,0								
143890	ACVS 11,0	13,2 kW	11,0 kW	48 V	275 A	83 %	61 kg	11,0 t	-
	ACVS 11,0								

Possible options

GPV 0,5 and GPV 0,8 with two-stage switch for speed control

ACV und ACVS Boost function 30% power increase for 2 minutes

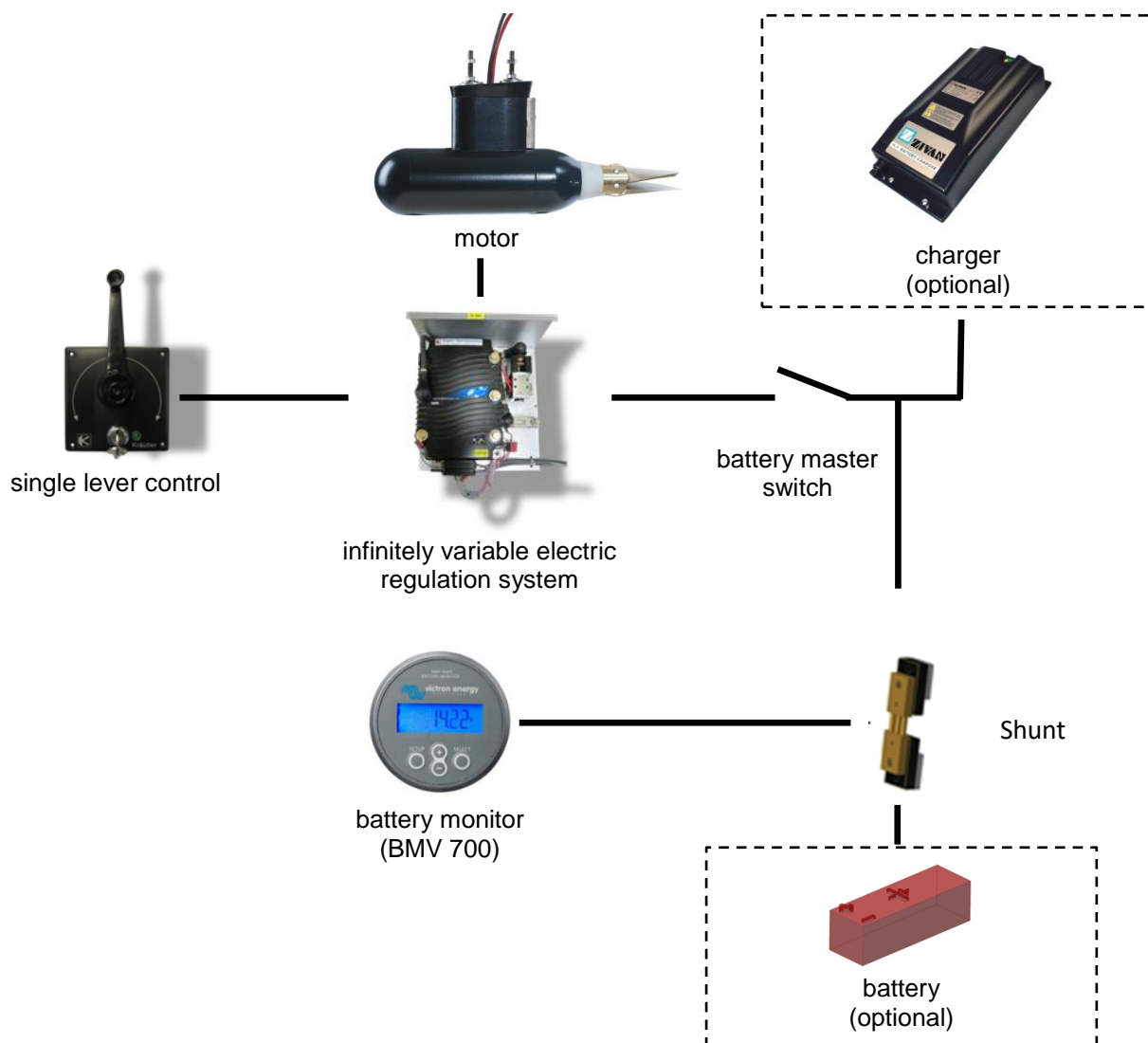


Submersible flange motor

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
- 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

