



PLETTENBERG

HIGH-END ELECTRIC DRIVE SOLUTIONS

MARITIME PROPULSION SOLUTIONS

Tailored electric propulsion solutions for application in marine missions



WHO WE ARE

Plettenberg is the leading developer and manufacturer of tailored rugged electric propulsion solutions for application in marine missions. We provide the best power-to-weight-to-robustness ratio and customize our motors to ideally match the mission profile of our customers.



MARITIME SOLUTIONS

Leading supplier of maritime propulsion solutions

Plettenberg provides tailored propulsion solutions for the maritime industry and has 20+ years of experience in this space. Our tailored drive systems are unrivalled in their power-to-weight-to-robustness ratio, efficiency and compactness, making them ideally suited for demanding maritime applications. We have completed numerous projects, including UUVs, USVs, marine UAVs as well as boat propulsion. We have also built custom propulsion solutions for deep sea applications (up to 6,000m bsl).

NOVA Maritime Series

Our NOVA Maritime series of inrunner BLDC motors has been specifically designed for the most demanding applications in maritime industry. It features an extra rugged closed housing design with ingress protection of IP 67. All materials of the motor have been selected for highest resistance against seawater corrosion. For deep sea applications, oil fillable housings are available.





NOVA MARITIME SERIES

The most robust propulsion system for maritime applications

Our NOVA Maritime series of BLDC inrunners feature an extra rugged closed housing design with ingress protection of IP 67. The motors can be applied in the harshest maritime environments, such as in USV or UUV applications as well as in boat propulsion. At the same time, the motor is as light as many open design BLDC motors. We tailor each NOVA Maritime motor to ideally match the load profile of our customer.

NOVA MARITIME SERIES

■ Overview

The NOVA Maritime series of closed inrunner BLDC motors is specifically designed for the most demanding applications in the maritime industry. Use cases include propulsion for UUVs, USVs, marine UAVs as well as boats. Available from below 1kW to 30kW peak power.

■ Maritime Use

It features an extra rugged closed housing design with ingress protection of IP 67. All materials of the motor have been selected for highest resistance against seawater corrosion. For deep sea applications, oil fillable housings are available.

■ Customization

As for all Plettenberg BLDC motors, the NOVA Maritime series is made-to-order and tailored to the specific requirements of our customers. Depending on requirements, the motor can also be delivered as integrated propulsion unit with Plettenberg ESC.



67

Ingress protection class



100%

Made in Germany



20

Years of maritime experience



5,000

Possible configurations

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