



## OVERVIEW

The customer had several versions of trolling motors but wanted a turnkey motor control head that incorporated the variable speed, forward and reverse, and a battery meter that addressed a perceived need in the product market. Defond, with years of experience with power controls and several versions of battery monitoring devices, was a good fit for the development of a stylish LED display into the control head assembly of this sport fishing trolling motor. Combined with their molding capabilities and complete package solutions, Defond was able to develop and deliver a high DC current, variable speed motor control in a ruggedized package with a built in battery management indicator – all in a complete assembly.

### CHALLENGES

- High DC current capabilities
- Battery monitoring and display capabilities
- Mechanical packaging and molding capabilities for the marine market

### SERVICES PERFORMED

- Mechanical Design
- Hardware Design
- Ruggedized
- Waterproof

### RESULTS

- Complete motor control head
- Stylish LED design incorporated into the housing
- High current DC motor controller
- Ruggedized marine package