BRUSHED MARINE ESC-50 WITH REVERSE

ELECTRIC SPEED CONTROLLER FOR BRUSHED MOTORS

The Marine ESC-50 is designed for use in model boats for brushed motors using no more then 50 amps continuous current.
It has a built in BEC system (battery eliminator circuit) which powers the receiver directly from the motor battery. The electronics are housed in a strong aluminium case and sealed to make them waterproof and robust enabling them to be used in a variety of marine applications.

SPECIFICATIONS

Continuous Current Forward – 50A
Continuous Current Reverse – 20A
Maximum Current – 70A burst (no more the 5 sec)
Input Voltage – 7.2v to 12v
BEC – 5v/1A
Waterproof
Size – 42 x 47 x 13mm

INSTALLATION & OPERATION TESTING

- Install suppressor capacitors across the motor following the motor manufactures instructions. This will reduce the motor brush noise interference that may affect your radios operation.
- Securely mount the ESC so it can keep as cool as possible. Do not wrap in foam or such like material as this can induce overheating. Keep as much of the metal case unrestricted as possible to help cooling.
- Connect the RED (+) & BLUE (-) wires to your brushed motor. These wires come fitted with female bullet type connectors and can be changed to suit your preferred system or can be directly soldered to the motor.
- Mount the on-off switch in a suitable position where it will not get wet when in use.
- Connect the receiver plug into the receivers throttle channel.
- The ESC is fitted with Tamiya style battery connector. Most battery packs are fitted with this style connection. (RED +) (BLACK -)
- Turn on the transmitter then connect the ESC battery and switch on. Slowly move the throttle up until you can see which way the motor is turning. If the motor is turning the wrong way, turn off the ESC and disconnect the battery and turn off the transmitter. Now reverse the motor wires and re-test.

Your boat should now be ready to use. If there are any points that you do not understand when installing this ESC then please contact your local model shop for advice.