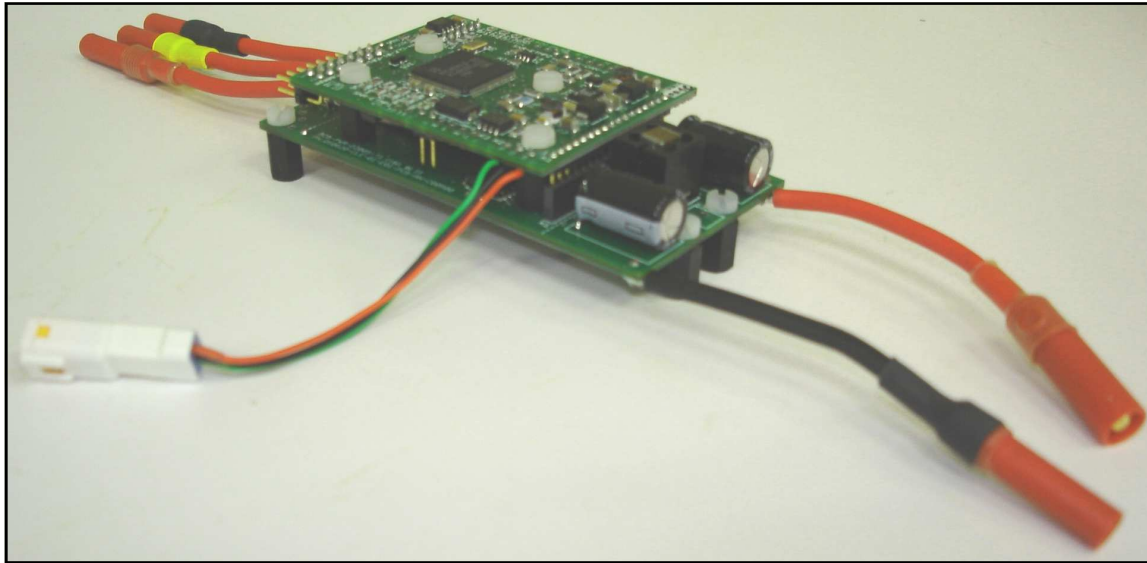


Electronic speed controller

ESCB 48-40 Type I

For control and management of
DC brushless motors
And
DC motors

This electronic speed controller is made of a power board and a CPU board equipped with a DSP (TI : tms 320 f2808) of 16 bits PWM resolution.



Dimensions : (L) 90 mm * (W) 45 mm * (H) 25 mm—**Weight** : 82 grammes

Characteristics :

Voltage	: 10 V to 48 V [10 V to 25 v for the CPU board]
Nominal current	: 40 A
Peak current	: 50 A
Temperature range	: -30°C à + 70°C
RS232 serial link	: 2
Bus CAN interface	: 2
Security	: Voltage and current surveillance

Options :

- Temperature sensor for controler (PT100 probe)
- Temperature sensor for motor (PT100 probe)

This electronic speed controller fits all the engines on the market. In order to obtain an optimal, robust and effective solution, GATES Technology provides a custom-built embedded software.

This product was initially designed for the specific requirements of the Autonomous Air Catamaran, on the one hand for the operational level (resistance in hostile environments, management of remote control and telemetry information, ...) and on the other hand for the functional level (control of high power engines ; open system ; control of both directions of rotation with a very short switching time in every condition).

