FULL SPECIFICATIONS

- **Supply voltage:** 24 V to 60 V DC (18 V to 65 V absolute maximum rating).

- **Output current:** 30 A, 60 A peak (5s).

- **Maximum output power:** 1800 W.

- **Motor type:** Brushless AC, Brushless DC, DC motor.

- **Position feedbacks:** Incremental encoder, Hall switches (120°), absolute encoder (BiSS, SSI, EnDat)*.

- **Inputs and outputs:** 18 configurable input/outputs:
  - 2 analog inputs (Sin/Cos encoder*, potentiometer, PLC analog signals, etc.).
  - Up to 5 digital inputs (open, close and stop button, limit switches, etc.).
  - Up to 2 TD inputs (Torque Disabling).
  - 2 high frequency digital inputs (pulse and direction control*, possibility to read a second encoder*).
  - 2 digital outputs (fault signaling, position reached, etc.).
  - 6 channels for emulated encoder output

- **Power outputs:** braking resistor, electromechanical brake.

- **Communications protocol:** CAN / CANopen DS402, Modbus RTU (over RS485), UART.

- **Other features:** Input for motor thermistor (NTC).

- **Dimensions (width, length, height):** PCB board (74 mm, 138 mm, 37 mm), heatsink with box (100 mm, 168 mm, 50 mm).

- **Firmware features:** torque control, speed control, position control*, diagnostics, etc.

*Under firmware development.