

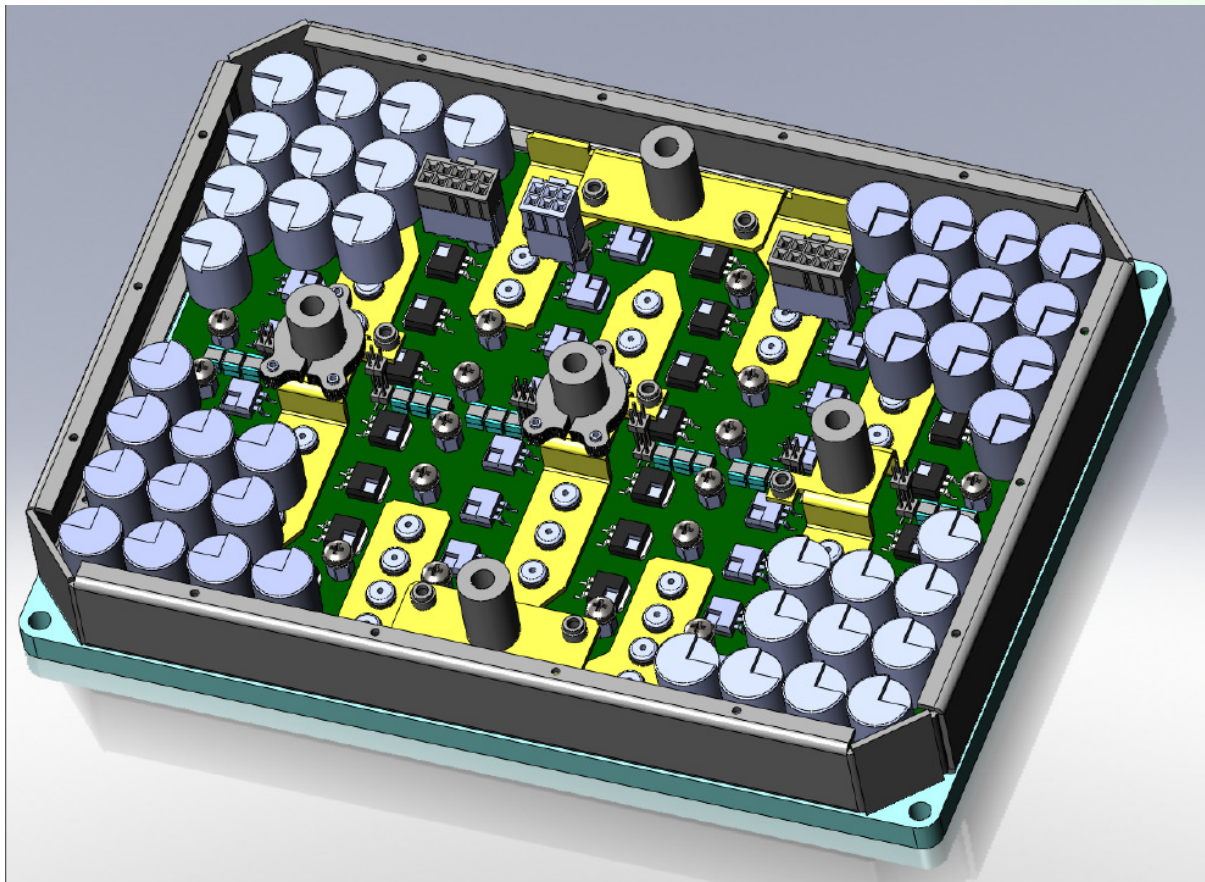
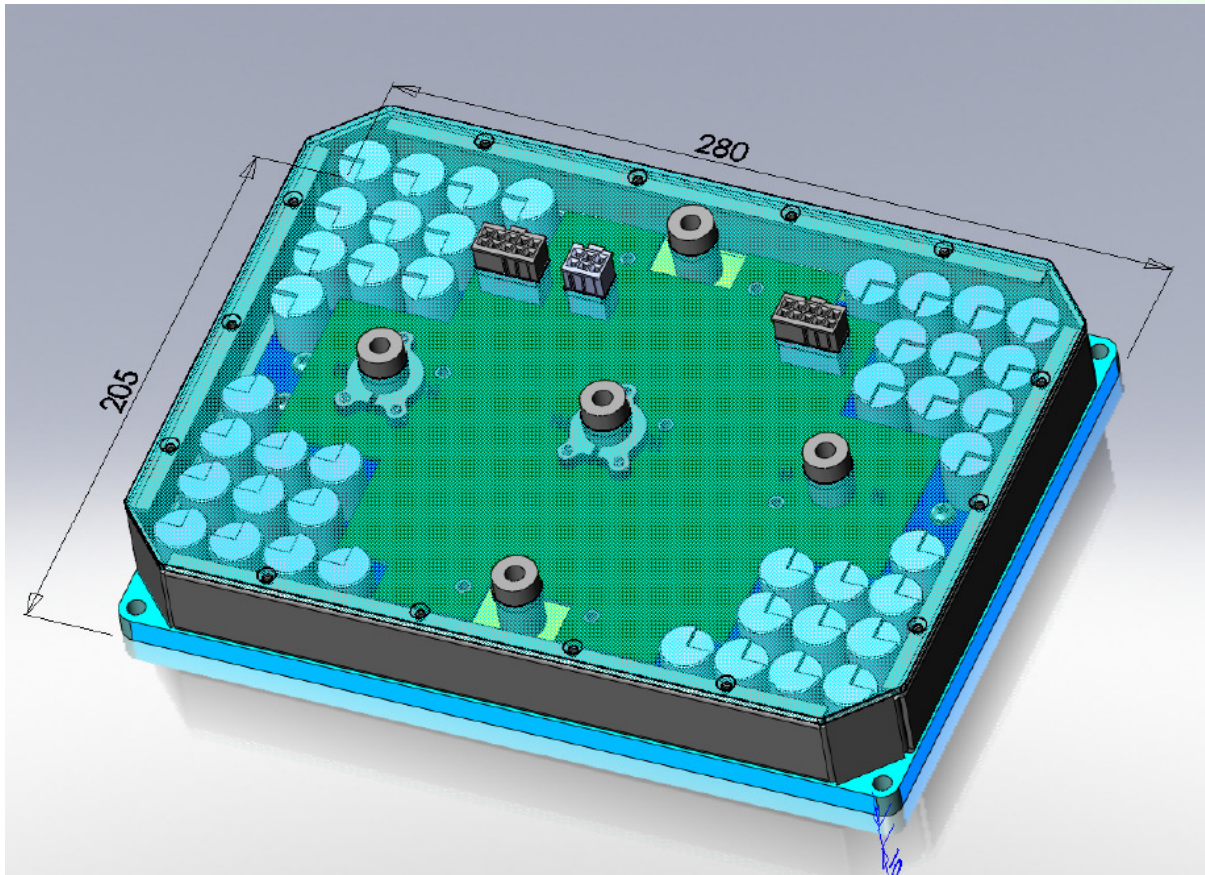
Specification Edrive 400

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eDrive 400 is based on eDrive 250. Only important data and differences specified here.

DC voltage	Min 40 V, max 135, max during motor operation 120 V
Motor phase current	Continuous 400 A, 1 minute 600 A at back plate temperature max 50 °C Increased DC link capacitor bank
Power connections	Prepared for 70 mm ² cable M8 screw
Serial communication	2 x RS232 or 1 x RS232 + 1 x CAN Optional galvanic isolation for CAN communication
Digital inputs	Forward Reverse Brake Emergency stop 4 x additional input All inputs are active low (switch to GND). Internal pull up to 12 V. Max input voltage 24 V. Active at < 4V, not active at > 7V
Analog inputs	Motor temperature sensor - NTC 10 k Throttle – potentiometer to 5V ref Brake analog input – potentiometer to 5V ref Additional analog input – 0-5 V
Digital outputs	Line contactor Electric brake Both outputs are low side switch rated for 1A/150 V. Current and temperature protected.
Motor angle sensor	3 x Hall sensor input (5 V power supply) Or SSI RS422 + 5 V power Or Sin/cos single ended
DC/DC converter for 12 V out	Not implemented

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