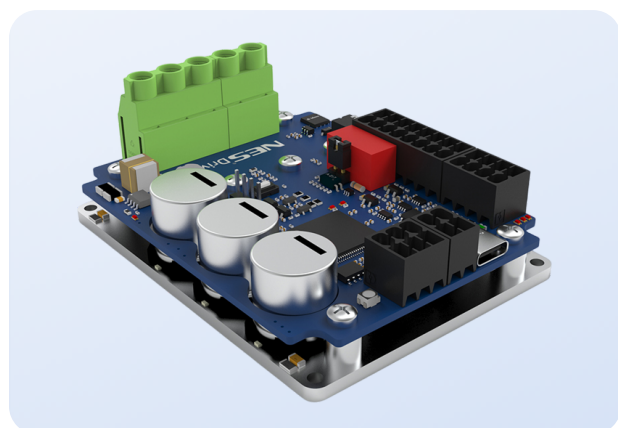




TULPAR

TULPAR 150

4Q BLDC/PMSM/ACIM motor drive. 20 A rated, 60 A peak; for light commercial EVs and mobility solutions.

20 A

RATED CURRENT

60 A

PEAK CURRENT

12–48 V

VOLTAGE

4Q

TOPOLOGY

Technical Specifications

Protocol	Modbus and CANopen
Interface	USB / RS232 / CANBus / RS485
Operating Voltage	12–48V DC
Rated Current (RMS)	20 A
Peak Current (RMS)	60 A
Matching Motors	BLDC / PMSM / ACIM
Digital Inputs	3
Analog Inputs	2
Digital Outputs	2
Feedback	Encoder and HALL
Brake Output	1
Temperature Range	-10 °C / +40 °C
STO (Safe Torque Off)	Yes (Isolated)
Topology	4 Quadrant (4Q)