




Torus Electronic Speed Controller (TESC)

- ✓ Motor parameters autodetection
- ✓ Supports hall sensors, magnetic encoder
- ✓ Current and voltage measurements
- ✓ Supports controlled regen
- ✓ Supports brushed DC motors, Brushless motors, PMSM, IPM
- ✓ GUI to set parameters
- ✓ Supports current control, speed control, sensed position control
- ✓ Speed Sync through CAN for dual motor drive systems
- ✓ Reverse switch
- ✓ Supports current limiter, RPM limiter

SPECIFICATIONS	TESC (300)	TESC (500)
Configurable For	BLDC/PMSM/IPM/AFM	BLDC/PMSM/IPM/AFM
Nominal Operating Battery (V)	48/60/72 V	48/60/72 V
Max. DC Current (Line)	120A	250 A
Phase Rated Current (RMS)	80	100
Phase Peak Current (RMS)	250	350
Control Method	Sinusoidal/Trapezoidal	Sinusoidal/Trapezoidal
Weight in Kg	1.3	1.3
IP Rating	IP65	IP65
Cooling	Natural Air	Natural Air
Interface and Communication	Hard wired or CAN base Throttle, Regenerative Braking, Drive signals etc - CAN and UART	

 www.torusrobotics.com

 +91-8939565422

 marketing@torusrobotics.com

