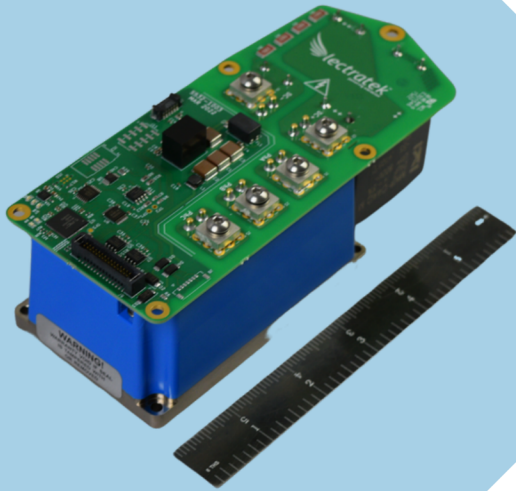


 **lectratek**[™] *Motor Controllers*
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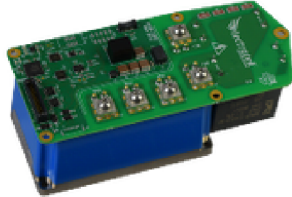
Sylent Flight[™] Power Electronics

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Sylent FlightTM Motor Controllers



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PARAMETER	VALUE (NOTES)
Max. Continuous Output Power	24 kW
HV DC Bus Voltage	24-720 V
HV DC Bus Max Continuous Input Current	40 A
Continuous Output Motor Phase Current	40 A (Peak Sine Wave)
Transient Output Motor Phase Current	80 A (Peak Sine Wave, 2-second duration)
Control Input Voltage	28 VDC nominal (11-37 VDC range)
Control Current Draw	220 mA nominal (at 28 VDC)
Communication Protocols	2x CAN 2.0b, RS422
Size	6.2" x 2.6" x 2.4"
Weight	0.568 kg
Efficiency	>95% (full load)
Case Operating Temperature Range	-40°C to 70°C
Sensing	<ul style="list-style-type: none"> • DC bus voltage • Motor RPM • Motor Iq current • Temperatures: motor, controller, DSP, IGBT, external
Error Monitoring	<ul style="list-style-type: none"> • Overvoltage • Undervoltage • Overcurrent • Motor enabled • Error condition • Command feedback • Loss of feedback • I2T error • Power bridge fault • CAN_A, CAN_B Tx error • Internal CAN Tx error • Internal buffer overflow
Switching Frequency	10 kHz (customizable)
Part Number	LTEK-ESC-720-24
CAD Model	Contact us for CAD model and mounting dimensions
Vibration Resistance	+/-20G