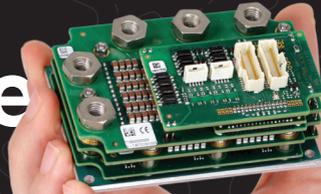


Gold Triple Bee

The Next Generation of Extreme Power Density



Gold Triple Bee is an extreme power-density, ultra-high current servo drive, meant to drive the world's most critical missions, where high precision and high reliability are mandatory.

It is a part of the ExtrlQ line of harsh environment products, and the evolution of the Gold Bee miniature servo drive. Its extreme current capability and compact form-factor make it ideal for harsh environment applications requiring high power where there is limited space. The Triple is a 270A (60V) intelligent servo drive that can operate in temperatures of -40°C to 70°C , and withstand mechanical shocks of up to 20G or vibrations of up to $14.6G_{\text{rms}}$ (2kHz). It is ideal for applications such as airborne UAVs and heavy duty drones, turrets, firing stations, and general battery-operated missions. The Triple Bee complies with the strictest safety, EMC, electrical, and environmental standards.



Up to
16kW

World's Highest Power-Density Servo Drive

Up to
270A

Ultra-High Current

Up to
200V

Supply Voltage



UGV
Traction & Steering Control



Airborne
Inertial Platform Stabilization



Underwater
ROV Thruster



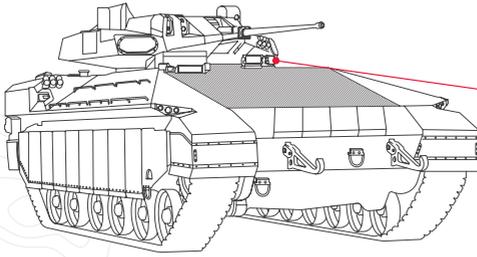
Camera & Laser Pod
Tracking



Missile
Guidance Control

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Elmo
Motion Control



Model**	Cont. Current (A)*	Max DC (V)
270/60	270	60
240/80	240	80
210/100	210	100
100/200	100	200

*Amplitude sinusoidal **More versions available



Operates in extreme temperatures

-40°C to 70°C
(-40°F to 160°F)



Operates in altitudes and high pressure

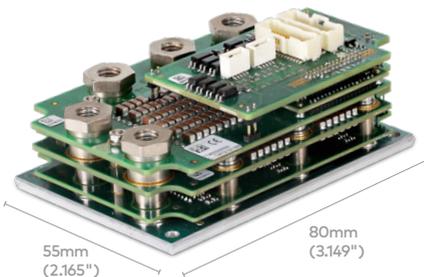
-400m to 12,000m
(-1,312 to 39,370 feet)



Operates under mechanical shock or intensive vibrations

up to 2000Hz, up to 14G_{rms}

** The Gold Triple Bee has successfully passed the HALT test for accelerated temperature and intensive vibration, still runs at -75°C to +110°C and up to 30grms



55mm
(2.165")

80mm
(3.149")

33mm
(1.299")



World's Smallest STO (SIL-3) certified servo

- IEC 61800-5-2 (SIL3)
- ISO 13840 (Cat3, PLe)

EtherCAT[®]
Conformance tested

CANopen[®]



In accordance with all safety requirements as per UL 61800-5-1

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