Everest is an ultra-compact, super smart, high-powered servo drive. Due to its small size and rugged design it can be mounted virtually anywhere: collaborative robot joints, wearable robots, unmanned ground or aerial vehicles as well as inside motors. Everest also features the most advanced transistor technology in the world with the highest power density and efficiency while keeping negligible EMI and providing linear amplifier performance.

<table>
<thead>
<tr>
<th>Weight: 30g</th>
<th>Size (mm) 29 X 42 X 23</th>
<th>Power up to 5kW</th>
</tr>
</thead>
</table>

- up to 60 A: World’s highest power density smart servo drive
- up to 80 V: Wide voltage range for DC bus or battery operation
- up to 99%: Low channel resistance for highest efficiency
EVEREST

MOST VERSATILE SERVO DRIVE IN ITS CLASS

Everest is built on a shielded body construction which provides best-in-class heat dissipation and **ultra-low radiated emissions** and is packed with a whole lot of features for the most demanding applications.

**Dimensions (mm)**

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**Features**

- **Absolute Serial**
  - BISS-C
  - SSI

- **Incremental**
  - Digital Hall
  - Digital Encoder

- **Servo Loops**
  - Torque: 50 kHz
  - Velocity: 25 kHz
  - Position: 25 kHz

- **Switching Frequency**
  - 10 kHz
  - Configurable up to 100 kHz

- **Safety**
  - STO SIL 3 PLe

- **Network**
  - EtherCAT
  - CANopen

- **Environment**
  - -40 °C up to 110 °C

- **Current Resolution**
  - 0.42 mA
  - 16 bit with automatic gain scheduling: 2.67 mA

- **IO**
  - 4x Digital Outputs
  - 4x Digital Inputs
  - Motor Temperature

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Motion Control Products Ltd. 
www.motioncontrolproducts.com