

Portescap Expands Flat Motor Portfolio with the 60ECF Brushless DC Flat Motor

Portescap is excited to introduce the 60ECF brushless DC slotted flat motor, the newest frame size to join its flat motor portfolio and a significant expansion of its brushless flat technology capabilities. This 60mm BLDC motor features a 38.2mm body length and an outer rotor slotted configuration with an open body design, allowing it to deliver improved heat management in a compact package.

The 60ECF provides up to 298 mNm torque and can be combined with Portescap's R22HT, R26HT, R32, R32HT, and R40 gearheads to deliver extremely high output torque and speed reduction. It is available in both sensed and sensorless options, with the former utilizing hall sensors for easy position control.

This slotted flat motor is a perfect fit for applications requiring high power density and smooth output torque, including those in Aerospace & Defense, Robotics, Industrial Automation, and Surgical Robotics. Specific examples include electric grippers and exoskeletons, eVtols, and surgical robots.

About [Portescap](#)

Portescap offers the broadest miniature and specialty motor products in the industry, encompassing coreless brush DC, brushless DC, stepper can stack, gearheads, digital linear actuators and disc magnet technologies. Our products have served diverse motion control needs in a wide spectrum of applications including medical, life science, instrumentation, automation, aerospace and commercial for more than 70 years.

Portescap has manufacturing centers in the United States and India and utilizes a global product development network with research and development centers in the United States, China, India and Switzerland.