

Hello from Alltrax!

I'm Damon Crockett, President and Chief Engineer, here to share a little about some new products we've been developing.

We're pleased to announce a **new line** of EV motor controllers for golf, NEV, scooters and industrial vehicles. These controllers are for Series and Permanent Magnet motors (our "SPM" line), and are available now in a variety of current and voltage ratings. Controllers for other motor types are coming soon.

The **SPM** is a new design in the field of electric vehicle motor controls, embodying all we've learned from the past 15 years of design, manufacture, use and abuse of our DCP, AXE and DCX products. The SPM looks different because we listened - Topside wiring and re-locatable mounting feet ease installation.

The **SPM** is different because we've taken full advantage of technology changes to craft a very sophisticated yet simple and reliable drive. The **SPM** is also a complete thermal solution - no external heatsink required. The drive style and user interface are like no other - Torque and Speed are graphically adjustable, you can re-curve the throttle response from buttery smooth to neck snapping wild.

Features include: 10 field programmable throttle types, main relay control, bus-bar thermal overload protection and ability to withstand output short circuits. Model variations with sealed connectors have features like rev limiting and CAN bus to further integrate the motor controller within the vehicle system, and provide forward compatibility with upcoming components.

Alltrax motor controls are manufactured at our factory located in Southern Oregon on a vertically integrated process by a dedicated crew. Starting with raw electronic parts and sheet copper, we use robotic pick and place equipment to assemble circuit boards, custom tools to shear and punch copper into heatsinks and busbars, then it's soldered in a reflow oven and wave solder machine. Automated test equipment calibrates and verifies proper operation at circuit board level, units are then encapsulated for water and vibration proofing and dyno tested.

The new **SPM** controllers have undergone extensive development and testing here during the past 2 years and at customer sites for over 6 months, I think they are the toughest, most sophisticated motor controllers on the market.

Give us a call - we think you'll like the products and service from Alltrax.

Our mission is quality parts "Made in America"...

Best Regards

Damon Crockett
President, Alltrax Inc