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MMP-15 Tracked Robot Platform



Length x Width x Height	19" x 17" x 5.75"
Weight	15 lb.
Payload	High Speed version, 10 lb. High Torque version, 20 lb.
Speed	High torque version, 2.7 ft./sec High speed version, 5.4 ft./sec
Body Style/Chassis	Black, hard anodized aluminum
Battery details	25.6 V Rechargeable 6.4 Ah Li-FePO4, removable (included)
Run Time	Approximately 4 hours of continuous operation; 8 position LED Fuel Gage indicator to show real-time battery level
Charger Included	25.6 V Smart Charger for Robot
Motor Details	2-Motor or 4 Motor, 50W each 24V Gearhead motors, all metal gears with custom, secondary heavy duty gearboxes and axles. Steel gears with full ball bearings. Available with 500 CPR, 2-channel with Index, quadrature optical encoder.
Track Details	Custom manufactured light weight and flexible rubber tracks with 2-ply reinforcement, white paddle or black all-terrain tread patterns available.
Control	High Current 30 Amp continuous Motor drivers with thermal and over current protection. Encoder feedback capabilities
	Motor drivers can be controlled with a standard Hobby-type PWM signal, TTL Level RS- 232 serial, Packet Serial Commands, Analog 0-5V, or USB.
	Electronics are housed in a custom, rugged, Polycarbonate box with quick disconnects for all connections leading in and out of the box.
	Electronics box includes 5V and 12V accessory voltage taps with a 3 amp max continuous current draw.

