

# BLM

HYBRID-ELECTRIC UNMANNED GROUND VEHICLE



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## Product Specification -

The BLM Mk.2 is a medium duty skid steered vehicle which incorporates 6x6 electrically driven wheels. The large cargo bay can be adapted to carry various kinds of equipment and payload.

|                                    |              |                                    |                            |
|------------------------------------|--------------|------------------------------------|----------------------------|
| <b>DIMENSIONS</b>                  |              | <b>MOBILITY</b>                    |                            |
| Length                             | 3,783 mm     | Maximal speed                      | 35 kph                     |
| Net maximal height                 | 1,872 mm     | Vertical scling height             | 500 mm                     |
| Width                              | 2,227 mm     | Front grade capability             | 60%                        |
| Wheel base                         | 2,939 mm     | Sideways slope capability          | 40%                        |
| Track width                        | 1,955 mm     | Water fording depth                | 500mm @ 10kph              |
| Ground clearance                   | 362 mm       | Transmission                       | Single stage 1:15 hub gear |
| Tires                              | 265/65R18    | Braking on all 6 wheels            | Electriv regen. & Calipers |
|                                    |              | Suspension                         | Hydropneumatic struts      |
| <b>CAPABILITIES</b>                |              | <b>ENGINE SPECIFICATIONS</b>       |                            |
| Loaded weight                      | 6,500 kg     | Model no.                          | YANMAR 4TNV88GGE           |
| Unloaded weight                    | 4,500 kg     | No. of cylinders                   | in-line 4                  |
| Maximal payload                    | 2,000 kg     | Compression ratio                  | 1:19                       |
| Silent range (Pure electric drive) | 50 km        | Rated output                       | 30 hp @ 1,800 RPM          |
| Diesel extended range              | 110 km       | Displacement                       | 2.2 liter                  |
|                                    |              | Cooling system                     | Water cooled               |
| <b>ELECTRIC CHARACTERISTICS</b>    |              | <b>DRIVE MOTORS SPECIFICATIONS</b> |                            |
| Drive system operating voltage     | 500 VDC      | Rated power                        | 48 kW (peak) each          |
| Control layer voltage              | 24 VDC       | Maximal torque (After reduction)   | 7,500 Nm                   |
| Battery type                       | Li-ion cells |                                    |                            |
| Full charge capacity               | 70 kWh       |                                    |                            |

