



BLRe

Electric Unmanned Ground Vehicle



Product Specification

The BLRe is a medium-duty skid-steered vehicle which incorporates 6x6 electrically driven wheels. The heavy-duty construction can be adapted to carry various kinds of equipment and payloads. The platform has superior unprecedented off-road mobility capabilities under full load capacity thanks to the patented suspension system. An internal combustion onboard generator acts as a range extender to the internal batteries.

The BLRe offers superior modularity, and serviceability under any top-mounted payload, including logistic support, mobile weapons station, and various dedicated mission payloads. Allowing complete internal access from dedicated side/front hatches, with a fully extendable battery tray for individual pack service.

The platform is fully autonomy-ready, with complete low-level controls integrated into an easy-to-interface CAN-bus based API.

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DIMENSIONS

Length	2,960 mm
Net maximal height	1,090 mm
Width	1,520 mm
Wheel base	2,200 mm
Track width	1,287 mm
Ground clearance	410 mm
Tires	245/75R17

CAPABILITIES

Loaded weight	4,000 kg
Unloaded weight	2,000 kg
Maximal payload	2,000 kg
Energy capacity	25 kWh
System rated (peak) power	30 kW (108 kW)
Maximal silent range (loaded)	25 km

ELECTRIC CHARECTARISTICS

Drive system voltage level	540 VDC
Drive system maximal current level	200 A
Auxiliry equipment supply	Upto 24V@50A

MOBILITY

Max. speed	45 km/h
Vertical scaling height	600 mm
Front grade capability	70%
Sideways slope	40%
Water fording depth	700 mm @ 10 km/h
Transmission	Single speed reduction
Braking on all 6 wheels	Service + Failsafe parking
Suspension	6 Independent coil-over suspension struts

MOTOR SPECIFICATIONS

Motor type	IPM
Output torque rated (peak)	2,520 Nm (6,075 Nm)
Reduction ratio	1:24
Rated output	60 kW @ 4,500 RPM
IP Rating	IP67
Cooling system	Water-Glycol 50/50 cooling system

CONTROL ELECTRIC CHARECTARISTICS

System voltage	24 VDC
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