

LUKA LOADER

- ✓ **ECO-FRIENDLY DESIGN**
- ✓ **HIGH PERFORMANCE**
- ✓ **ADVANCED TECHNOLOGY**
- ✓ **COST-EFFECTIVENESS**



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LUKA LOADER SPECIFICATION

Kerb weight:	485kg
Pay load:	1000kg
GVW (Gross Vehicle Weight):	1485 kg
Frontal Area:	2 m ²
Tyre Size:	120/80 R12
Battery Capacity:	15.1 kWh

Simulation Results (B mode)

Max. Speed:	47 kmph
Acceleration (0–30 kmph):	10 seconds
Gradeability at GVW:	25%
GVW range at IDC:	170 km @ 15.1 kWh battery
Drive current DC:	220 A

Motor Features

Operating Voltage:	51.2 V Nominal DC
Peak Power:	14 kW
Continuous power:	8 kW (S2 – 30 min)
Max RPM:	7000
Peak Efficiency:	90 %

Transmission Features

Torque:	75 Nm
Transmission:	Final Reduction (14.03) with Differential
Motor I:	PM (Interior Permanent Magnet)
Controller:	CAN based