RJ Tech Steinadler Series Specifications

	Steinadler Lite 2WD	Steinadler Pro 4WD	Steinadler Pro L7e	Customized
Picture[1]				
Vehicle Basic Parameters				
Color	Black/Yellow	Black/Yellow	Black/Yellow	Customizable
Dimension L*W*H	1760x774x1287mm	1818x885x1325mm	1818*918*1325mm	Customizable
Fold Size L*W*H	1760x774x700mm	1818x885x732mm	1818*918*732mm	Customizable
Wheelbase	1257mm	1257mm	1257mm	1257mm
Footboard Width	644mm	600mm	600mm	600mm
Ground Clearance[2]	150mm	230mm	230mm	Customizable
Curb Weight	160kg (battery)	173kg+32kg (battery)	173kg + 32kg (battery)	210kg +- 40kg (battery)
Load Capacity	150kg	200kg	137kg-200kg	up to 250kg
Tow Capacity[3]	337kg	400kg	400kg	600kg (special tuned)
Offroad Tyre Size[4]	19x6-10inch	22x7-10inch	22x7-10inch	22x7-10inch
Foldable	Yes	Yes	Yes	Yes
Powertrain Parameters				
Battery Type	1x Lithium 74.4V 55Ah	1x Lithium 74.4V 55Ah	1x Lithium 74.4V 55Ah	1x Lithium 74.4V 55Ah
Battery Capacity	3.285kWh	4.092kWh	4.092kWh	4.092kWh
	Steinadler Lite 2WD	**Steinadler Pro 4WD**	**Steinadler Pro L7e**	**Customized**
Battery Lifecycle	>1500 cycles	>1500 cycles	>1500 cycles	>1500 cycles
E-range[5]	≥60km	≥80km	≥80km	≥80km
Motor Type	2x PMSM Hub Motors	4x PMSM Hub Motors	4x PMSM Hub Motors	4x PMSM Hub Motors
Rated Power	1kW*2=2kW	1.5kW*4=6kW	1.5kW*4=6kW	1.5kW*4=6kW

Peak Power	1.5kW*2=3kW	3.5kW*4=14kW	3.5kW*4=14kW	3.5kW*4=14kW
Tuned Power[6]	2kW*2=4kW	5.0kW*4=20kW	5.0kW*4=20kW	5.0kW*4=20kW
Wheel Torque[7]	18.3Nm*2=73.2Nm	18.3Nm*4=73.2Nm	18.3Nm*4=73.2Nm	18.3Nm*4=73.2Nm
Rated Torque[8]	100 Nm	240 Nm	240 Nm	240 Nm
Peak Torque[9]	220 Nm (special tuned)	610 Nm (special tuned)	134Nm*4=536Nm	Customizable
Vehicle Control				
Speed Switch	1 forward 1 backward	3 forward 1 backward	3 forward 1 backward	Customizable
Driving Mode	2WD	2WD(rear)/4WD	2WD(rear)/4WD	2WD(rear)/4WD
Max. Speed	50kph	85kph	70kph	Customizable
Acceleration[10]	4s	2.3s	2.3s	Customizable
Steering Angle	±15°	±30°	±30°	±30°
Climbing Slope	10 deg from standstill	35 deg from standstill	35 deg from standstill	35 deg from standstill
Side Rolling Angle	<15 deg stable	<30 deg stable	<30 deg stable	<30 deg stable
Creep mode	Yes	Yes	Yes	Yes
Tank Turn	Yes	Yes	Yes	Yes
Distribute Control[11]	Yes	Yes	Yes	Customizable
AD Functions[12]	No	No	No	Customizable
	Steinadler Lite 2WD	**Steinadler Pro 4WD**	**Steinadler Pro – L7e**	**Customized Version**
Charging Parameters				
Charger Set	Yes	Yes	Yes	Yes
Input Voltage	110-230V AC	110-230V AC	110-230V AC	110-230V AC
Input Frequency	50Hz	50Hz	50Hz	50Hz
Max. Input Current	10A	10A	10A	10A
Output Voltage	40V-84V DC	40V-84V DC	40V-84V DC	40V-84V DC
Output Current	20A	20A	20A	20A
Max. Output Power	1680W	1680W	1680W	1680W
Charging Time[13]	3-3.5hrs (0-100%)	3-3.5hrs (0-100%)	3-3.5hrs (0-100%)	3-3.5hrs (0-100%)

Accessories				
Smart Display	Yes	Yes	Upgrade Version	Customizable
LED Light	Yes	Yes	Automotive Light	Customizable
High/Low Beam	No	No	Yes	Customizable
Retractable Seat	Yes	Yes	Yes	Customizable
Backside Seat	Optional	Optional	No	Customizable
Mudguard	Optional	Optional	Yes	Customizable
Butterfly Handlebar	Optional	Optional	No	Customizable
Hand Protection	Yes	Yes	Yes	Yes
Side Mirror	Optional	Optional	Yes	Optional
Hand Throttle	Yes	Yes	Yes	Yes
Thumb Throttle[14]	No	No	Optional	Optional
	Steinadler Lite 2WD	**Steinadler Pro 4WD**	**Steinadler Pro L7e**	**Customized**
Hand Brake	Optional	Optional	Yes	Customizable
Foot Brake	No	No	Yes	Customizable
V2L Inverter	Optional 230V AC (1kW/2kW)	Optional 230V AC (1kW/2kW)	Optional 230V AC (1kW/2kW)	Optional 230V AC (1kW/2kW)
Front Storage Box	Optional	Optional	Optional	Customizable
Rear Storage Box	30~45L, Optional	30~45L, Optional	30~45L, Optional	30~45L, Optional
Working Conditions				
Waterproof[15]	IP67 up to 440mm IP65 above 440mm	IP67 up to 440mm IP65 above 440mm	IP67 up to 440mm IP65 above 440mm	IP67 up to 440mm IP65 above 440mm
Temperature	-20℃~+45℃	-20℃~+45℃	-20℃~+45℃	-20℃~+45℃
Humidity	≤95%	≤95%	≤95%	≤95%
Painting	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion
Salt Water	Resistance	Resistance	Resistance	Resistance
Oil	Resistance	Resistance	Resistance	Resistance
Sand, Dust, Mud	Resistance	Resistance	Resistance	Resistance
Powered Trailer				
Trailer Dimensions	1739*760*800mm	1739*760*800mm	1739*760*800mm	1739*760*800mm
Storage Space	1200*510*358mm	1200*510*358mm	1200*510*358mm	1200*510*358mm
Tailer Weight	150kg	150kg	150kg	150kg

Load Capacity	250kg	250kg	250kg	250kg
Motors	2x PMSM Hub Motors	2x PMSM Hub Motors	2x PMSM Hub Motors	2x PMSM Hub Motors
	Steinadler Lite 2WD	**Steinadler Pro 4WD**	**Steinadler Pro L7e**	**Customized Version**
Rated Power	1.5kW*2=3kW	1.5kW*2=3kW	1.5kW*2=3kW	1.5kW*2=3kW
Peak Power	3.5kW*2=7kW	3.5kW*2=7kW	3.5kW*2=7kW	3.5kW*2=7kW
Speed with Trailer	25kph	25kph	25kph	Customizable
Range Extender				
Range Extender	Available	Available	Not Available	Available
Total E-Range	240km	240km	/	240km
Fuel Type	Gasonline	Gasonline	Gasonline	Gasonline
Power	1.5kW	1.5kW	/	1.5kW
Climbing Slope	21 deg from standstill	21 deg from standstill	21 deg from standstill	21 deg from standstill

Note:

1. Clarification: All parameters have been tested and verified by RJ Tech Limited. Specific modifications may be required in accordance with varying laws and regulations in different countries or regions. RJ Tech Limited reserves the right to interpret and explain product specifications. The actual product may differ from the pictures shown.
2. Measurements were taken with standard tire pressure.
3. Tow capacity is based on the RJ Tech powered trailer, where 600kg is special tuned version with both trailer and range extender.
4. Other tire dimensions are available. Please contact the sales manager for more details.
5. This E-Range was tested at 25℃ with 1 driver and no load. Vehicle performance may decrease in low-temperature environments due to increased strain on the batteries, so the use of a range extender is recommended.
6. The motor's maximum tuned power was tested in special creep mode (low speed with high torque).
7. The motor wheel torque was tested at high speed (795rpm) with low loads.
8. The motor's rated torque was tested under standard working conditions (50kph at 60rpm).
9. The motor's peak torque was tested in creep mode (low speed with high torque). Vehicles with customized special tuning can reach 610Nm.
10. Testing was conducted in 3rd gear with acceleration from 0kph to 50kph.
11. The Steinadler Pro is equipped with RJ Tech's patented distributed driving control technology.
12. AD (Autonomous Driving) function retrofitting with different perception modules and remote control functions can be customized. Please contact your sales manager for details.
13. Charging time was tested at 25℃, 220V, and 50Hz. Environmental conditions may affect charging duration.
14. A thumb throttle is available as an optional feature.
15. Batteries, motors, and relevant connectors under 440mm are IP67 waterproof. Motor and vehicle controllers are IP65 waterproof.