

SWINCAR

SWINCAR e-Spider L6e-A 2022 Technical Sheet



Type

Lightweight 100% Electric Vehicle, 4WD+4WS
EUROPE APPROVAL L6e-A (street Legal)

Architecture

Platform and running gear on pendulum balance
Independent pivoting crossbeams
4-wheel independent suspension, 4-wheel drive and steering
4 Swing arm suspension and adjustable spring shock absorber

Manufacturing

Aluminum casting and aluminum tubes
Articulations on sealed bearings
Strong roll bar (removable for transport)

All public accessibility

Steering wheel controls (throttle & brakes)
Swivel arms to transfer from wheelchair
(with Option Telescopic steering tie rod)

Dimensions

Length:	2.05 m
Width:	1.37 m
Height:	1.35 m with roll bar
Wheelbase:	1.50 m
Ground clearance:	0.26 m
Weight with batteries:	230 kg

Motorization

4-wheel drive with 4 brushless motors
Total rated power: 4.16 kW
Total peak power: 10.00 kW
Peak torque: 350 Nm
Reverse gear

Batteries and autonomy

Lithium-ion Iron/phosphate LifeP04 batteries
4h battery life in hilly ride with 1000m of ascent
Charging in 2,5 hours
Engine brake and battery charging downhill

Speed

Maximum speed: 30 km/h

Skills on slope

Hill Start:	up to 50%
Fixed pendulum tilt	up to 50%
Dynamic stability on slopes	up to 50%
Axle crossing corrected	up to 2x50%

Brakes

4 Hydraulic Disc brakes 220mm
Parking brake on rear wheels

Equipment L6e-A

Headlights, front & rear lights, indicators
Horn - Mirrors
Seat Sensor