

SWINCAR

SWINCAR e-Spider 2019 Technical Sheet



Type

Lightweight 100% Electric Vehicle
Standard model or
Road approved model MAGA (France) (picture)

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

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

Swivel arms to transfer from wheelchair
Steering wheel controls (throttle & brake)

Dimensions

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

Batteries and autonomy

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

Speed

Maximum speed:	30 km/h
Regulated speed:	25 km/h (MAGA)

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%

Brake

2 Hydraulic brakes, disc 220mm

Equipment on MAGA type version

Headlights, front & rear lights, indicators
Horn & hand brake
12v plug- load carrier- 34-liter tank with 12V pump