

# 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