

SWINCAR

SWINCAR e-Spider Tandem 2019 Technical Sheet



Type

Lightweight 100% Electric Vehicle Two seater
Standard model or
MAGA model (lights-hand brake-horn)

Motorization

4-wheel drive with 4 brushless motors
Total rated power: 4 .16 kW
Total peak power: 14.00 kW
Peak torque: 490 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
4 large tires 3,5 inches

Manufacturing

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

Batteries and autonomy

Lithium-ion Iron/phosphate LifeP04 batteries
3h Autonomy in hilly ride with 1000m of ascent
Charging in 3 hours
Engine brake and battery charging downhill

Speed

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

All public accessibility

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

Skills on slope (subject to adhesion conditions)

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

Dimensions

Length: 2.50 m
Width: 1.37 m
Height: 1.35m with roll bar
Wheelbase: 1.95m
Ground clearance: 0.26m
Weight with batteries: 260kg

Brake

4 Hydraulic brakes, disc 220mm, front and rear

Equipment on MAGA type version

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