SOLARKY sunV

TECHNICAL SPECIFICATIONS

SPTY | SHANGHAI AUTOS PTY

SPECIFICATION	DATA
IDENTIFICATION	
Brand	SOLARKY
Model	sunV
Vehicle type	Electric micro-SUV
Powertrain	100% electric (BEV) with auxiliary photovoltaic solar system
Body style	Micro-SUV
Number of doors	3
Seating capacity	4
MOTOR AND DRIVETRAIN	
Motor type	Permanent magnet synchronous motor (PMSM)
Motor location	Rear
Maximum power	15 kW
Maximum torque	85 N·m
Drive type	Rear-wheel drive (RWD)
Maximum speed	80 km/h
Driving modes	Sport / Super ECO
Sport mode speed	80 km/h
Super ECO mode speed	50 km/h
Acceleration 0–50 km/h	6 seconds
Maximum gradeability	22%
BATTERY AND RANGE	
Battery type	Lithium iron phosphate (LFP)
Energy capacity	10.2 kWh
Voltage	76.8 V
Nominal capacity	133 Ah
Battery cooling system	Air cooling
Driving range per charge	151 km (NEDC)
Energy consumption	6.6 kWh/100 km
Additional solar range	Up to 50 km per day





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CHARGING SYSTEM	
Maximum AC charging power	1.35 kW
AC charging connector	GB/T
AC charging time	7–8 hours
SOLAR SYSTEM	
Panel type	Monocrystalline silicon
Number of panels	2
Power per panel	300 W
Solar area with panels retracted	1.6 m²
Solar area with panels extended	3.2 m²
Deployment system	Electrically sliding / deployable solar panel
Solar deployment control	Via the central touchscreen
DIMENSIONS AND WEIGHTS	
Length	3,150 mm
Width	1,491 mm
Height with solar panel retracted	1,590 mm
Height with solar panel extended	1,700 mm
Wheelbase	2,070 mm
Ground clearance	190 mm
Turning radius	4.75 m
Approach angle	22°
Curb weight	660 kg
Maximum payload	300 kg
Gross vehicle weight	960 kg
Trunk capacity	70–800 L
WHEELS AND TIRES	
Tire size	165/70 R13C
Wheel material	Aluminum

SPECIFICATION	DATA
CHASSIS, SUSPENSION AND BRAKES	
Front suspension	Independent MacPherson
Rear suspension	Multi-link
Power steering	Electric (EPS)
Front brakes	Disc
Rear brakes	Drum
Parking brake	Manual
Regenerative braking	Yes
SAFETY AND ASSISTANCE	
Rearview camera	Yes
Rear parking sensors	Yes
Low-speed acoustic warning	Yes
MULTIMEDIA AND CONNECTIVITY	
Central display	10.3-inch touchscreen
Connectivity	Bluetooth
Hands-free phone	Bluetooth
Audio system	2 speakers
Connection ports	USB, USB-C and 12 V socket
COMFORT AND INTERIOR	
Upholstery	Synthetic leather
Front seat adjustment	4-way
Rear seats	Folding
Air conditioning	Manual
Front power windows	Yes; one-touch down function
Exterior mirrors	Electric adjustment
Keyless entry / start	Yes
Gear selector	Rotary
EQUIPMENT AND UTILITY	
Deployable solar panels	Yes
Front and rear towing hooks	Yes
Tool kit	Yes
Emergency triangle	Yes
Reflective vest	Yes
Tire repair sealant	Yes