

S O L

Preliminary technical data
Pocket Rocket / Pocket Rocket S



Important notes

All images and technical data in these documents are not finally confirmed and are subject to the final type approval of our vehicles. We will inform you as soon as final data are available.

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Technical data

The technical data is provisional and subject to final type approval of the vehicle. All values are subject to change. We will inform you as soon as new data is available. However, the data mentioned below already give you a first indication and help you in initial discussions with customers. Please point out to customers that these are provisional data.



	Pocket Rocket	Pocket Rocket S
EG vehicle class	L1e	L3e
Driving licence (Germany)	AM, A1 or B	from B196
Dimensions in mm		
Wheelbase	Info coming soon	Info coming soon
Length	1720	1720
Width	730	730
Height	1180	1180
Ground clearance	150	150
Seat height	820	820
Wheels and tyres		
Front wheel	100/90 r16	100/90 r16
Rear wheel	110/90 r16	110/90 r16
Tyres	Heidenau	Heidenau
Weight		
Empty weight	55 kg	55 kg
Permissible total weight	Info coming soon	Info coming soon
Permitted number of persons	1	1

Damping

Front wheel damping	Hydraulic	Hydraulic
Rear shock absorber	Hydraulic/Adjustable	Hydraulic/Adjustable
Front wheel travel in mm	60	60
Rear wheel travel in mm	50	50

Brakes

Front wheel brake	Hydraulic disc brake	Hydraulic disc brake
Rear wheel brake	Hydraulic disc brake	Hydraulic disc brake
Combined Braking System	Yes	Yes
Break Energy Regeneration	Yes	Yes

Battery

Dimensions in mm	620 X 140	620 X 140
Weight in Kg	11.5	11.5
Range with full charge	50-80 km	50-80 km
Battery housing	Aluminium	Aluminium
Battery cells	Li-Ion	Li-Ion
Voltage	58V	58V
Capacity	2.5KWh	2.5KWh
Maximum power	150A	200A
Electrical safety	Triple cell protection	3 Triple cell protection
Temperature control	Yes	Yes
Vibration and shock resistance	Yes	Yes
Waterproofness	IP65	IP65

Charger

Charging time with standard charger	5 hours
Charging time with fast charger	2 hours

Hub motor

Motor	Brushless electric wheel hub motor	Brushless electric wheel hub motor
Motor control	FOC	FOC
Energy recovery system	Yes	Yes
Nominal power	3000W	4000W
Top performance	5000W	6500W
Torque	120 Nm	160 Nm
Maximum speed	45 km/h	75 km/h

Connectivity

SOL Tracker (from start)	Tracking, locating, anti-theft alarm, Smartphone APP
SOL Connect (Extension available for model year 2023, expected from Q3/Q4 2022)	Connectivity package, including vehicle location, information on charging time and battery status, theft alarm, emergency call, remote maintenance and predictive maintenance functions

Warranty

Warranty	24 months (2 years)
Follow-up warranty SOL Secure	Info coming soon

Accessories

V-Frame Smartbag (Info coming soon)	High-quality waterproof frame bag that fits seamlessly into the "V" of the frame
Rocket Helmets (Info coming soon)	High quality jet helmets - plain or with prints
