

SOL

Technical data sheet
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.

All texts, pictures and other information in these dealer documents are subject to the copyright of SOL Motors GmbH. Any duplication, reproduction or other use without the prior written consent of SOL Motors GmbH is prohibited.

SOL and Pocket Rocket are registered trademarks of SOL Motors GmbH. The design of our vehicles is subject to design protection (design patent pending).

SOL Motors GmbH
Rotebuehlstrasse 59A
70178 Stuttgart
Germany
www.sol-motors.com

Valid from: 06/2024
© SOL Motors GmbH 2024

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.

SOL



	Pocket Rocket	Pocket Rocket S
EG vehicle class	L1e	L3e
Driving licence (Germany)	AM, A1 or B	from B196
Dimensions in mm		
Wheelbase	1210	1210
Length	1820	1820
Width	740	740
Height	1090	1090
Ground clearance	160	160
Seat height	840	840
Wheels and tyres		
Front wheel	100/90 r16	100/90 r16
Rear wheel	110/90 r16	110/90 r16
Tyres ex works	Heidenau	Heidenau
Weight		
Net weight (without battery)	71	71
Permissible total weight in Kg	200	200
Permitted number of persons	1	1
Suspensions		
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	ø220 Hydraulic disc brake	ø220 Hydraulic disc brake
Rear wheel brake	ø200 Hydraulic disc brake	ø200 Hydraulic disc brake
Combined Braking System	Yes	Yes
Break Energy Regeneration	Yes	Yes

Battery

Dimensions in mm	530 X 140	530 X 140
Weight in Kg	16.7	16.7
Range with full charge in km	Up to 108*	Up to 68*
Battery housing	Aluminium	Aluminium
Battery cells	Li-Ion 21700	Li-Ion 21700
Voltage in V	57.4	57.4
Capacity in Kwh	2.5	2.5
Maximum discharge power in A	144	144
Electrical safety	Triple cell protection	Triple cell protection
Temperature control	Yes	Yes
Vibration and	Yes	Yes
Shock resistance	Yes	Yes
IP Level	IP65	IP65
Lifecycles	1.200	(rest capacity 80%)

Charger

Charging time with standard charger in hours	4
Charging time with fast charger in hours	2

Hub motor

Motor	Brushless electric wheel hub motor	Brushless electric wheel hub motor
Motor control	FOC	FOC
Energy recovery system	Yes	Yes
Nominal power in W	4000	6000
Top performance in W	6500	8500
Torque in NM	120	160
Maximum speed in Km/h	45,-	85,-

Accessories

Tank Bag

Top Bag, removable, sitting on top tube

Rocket Helmets
(Info coming soon)

High quality jet helmets - plain or with prints

More Accessories and
Merchandise coming up soon
