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EK1

EK1 *Light*

The little upbeat brother of
 the EK3 in vehicle class L1e



L1e



Distributor / Dealer

Version 01/2021

EK1 45 km/h <small>Max. Speed (limited)</small>			
STANDARD RANGE		EXTENDED RANGE	
70 km	26 Ah	120 km	40 Ah
<small>Max. Range</small>	<small>Battery</small>	<small>Max. Range</small>	<small>Battery</small>

EK1 <i>Light</i> 25 km/h <small>Max. Speed (limited)</small>			
STANDARD RANGE		EXTENDED RANGE	
80 km	26 Ah	140 km	40 Ah
<small>Max. Range</small>	<small>Battery</small>	<small>Max. Range</small>	<small>Battery</small>



LITTLE BROTHER

The two eye-catchers EK1 and EK3 are largely identical in appearance and dimensions. The big differences lie in the motorization and battery power.

While the EK3 has a center engine, the EK1 is equipped with a wheel hub engine. The maximum power is 2.8 kW, which classifies it in the vehicle category L1e. This also makes it clear why the EK1 is considered to be the small brother of the EK3 (6.2 kW/ L3e).

The moped EK1 is available with the upbeat colours orange and medium blue as well as black matt and white.

Highlights of the EK1 equipment: all around LED lights, automatic light switch-off delay, cruise control, reverse gear, helmet storage compartment under the seat and ergonomic design. There are also optional extras like a smartphone holder, top-case with luggage rack and windshield.

TWIN EK1 Light

The EK1 has a twin – the EK1 Light. The difference lies in the maximum speed.

While the EK1 is throttled to a maximum of 45 km/h, the maximum speed of the EK1 Light is screwed down to 25 km/h. This means that this smart everyday companion is available for every target audience!

To make the pleasure of choosing perfect, the EK1 and the EK1 Light are each offered with two differently strong batteries, which affects the range.

In the Standard Range (26 Ah) the EK1 reaches up to 70 km, in the Extended Range (40 Ah) it is even 120 km. The EK1 Light reaches up to 80 respectively 140 km.

COLOURS & EXTRAS



ORANGE



MEDIUM BLUE



WHITE

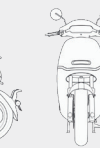
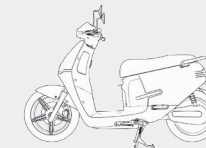


BLACK MATT

HORWIN EK1

SIZE & MOTOR

Lengths	1900 mm
Width	690 mm
Height	1130 mm
Seat height	780 mm



Hub motor
FOC energy management
Battery Standard Range: 72V, 26Ah
Battery Extended Range: 72V, 40Ah

DIMENSIONS

Front wheel hub	MT 2.5x14	Min. ground clearance	125 mm front wheel hub
Rear wheel hub	MT 3.0x13	Kerb weight	92 kg
Front wheel	100/80-14	Technically permissible maximum laden mass	281 kg
Rear wheel	110/70-13	Hub	Aluminium alloy
Wheelbase	1320 mm		
Tyres	front 14" / rear 13"		

SPECIFICATIONS

Rated power	2 kW	Max. speed	45 km/h (limited)
Maximum power	2.8 kW	Loading cycles	≥ 1000 times
Nominal rpm	480 rpm	Braking system	Disc brake
Maximum torque	145 Nm	Charging time	5 A / approx. 5 h (0-100%)

RANGES

VERSION STANDARD RANGE	VERSION EXTENDED RANGE
Range ≥ 70 km (battery 26 Ah)	Range ≥ 120 km (battery 40 Ah)

HIGHLIGHTS

LED lights all around (front, rear, indicator lamps)	Cruise control
Automatic light switch-off delay	Reverse gear
Helmet storage compartment under the seat	Ergonomic design

DIFFERENCES TO EK1

	Maximum speed	25 km/h (limited)
VERSION STANDARD RANGE	VERSION EXTENDED RANGE	
Range ≥ 80 km (battery 26 Ah)	Range ≥ 140 km (battery 40 Ah)	

HORWIN EK1 Light

BATTERIES & RANGES