

 SEG eBike
AUTOMOTIVE systems



OUR HISTORY

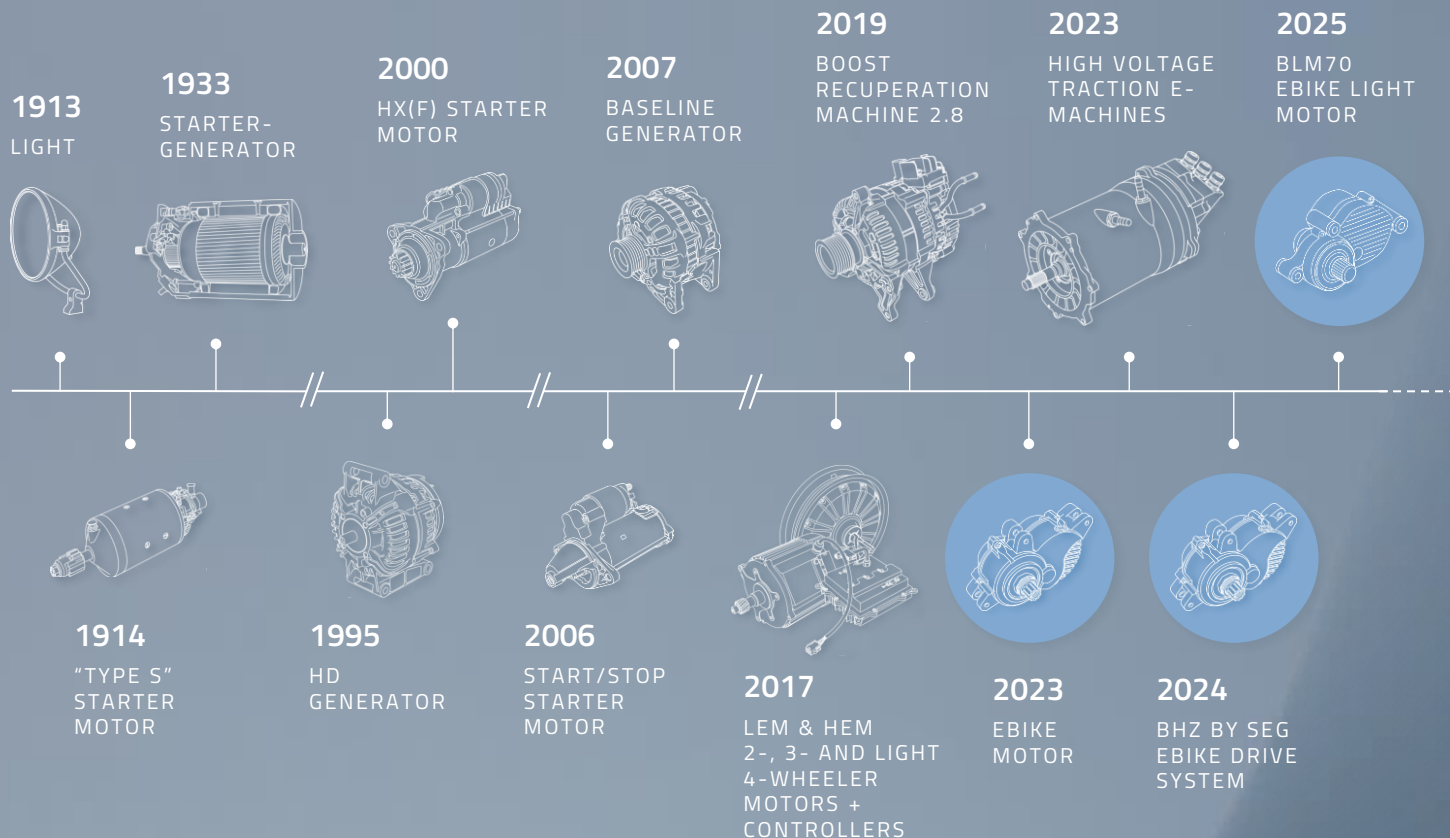
Where we came from

SEG AUTOMOTIVE

Reliable global partner to the automotive industry since 1913.

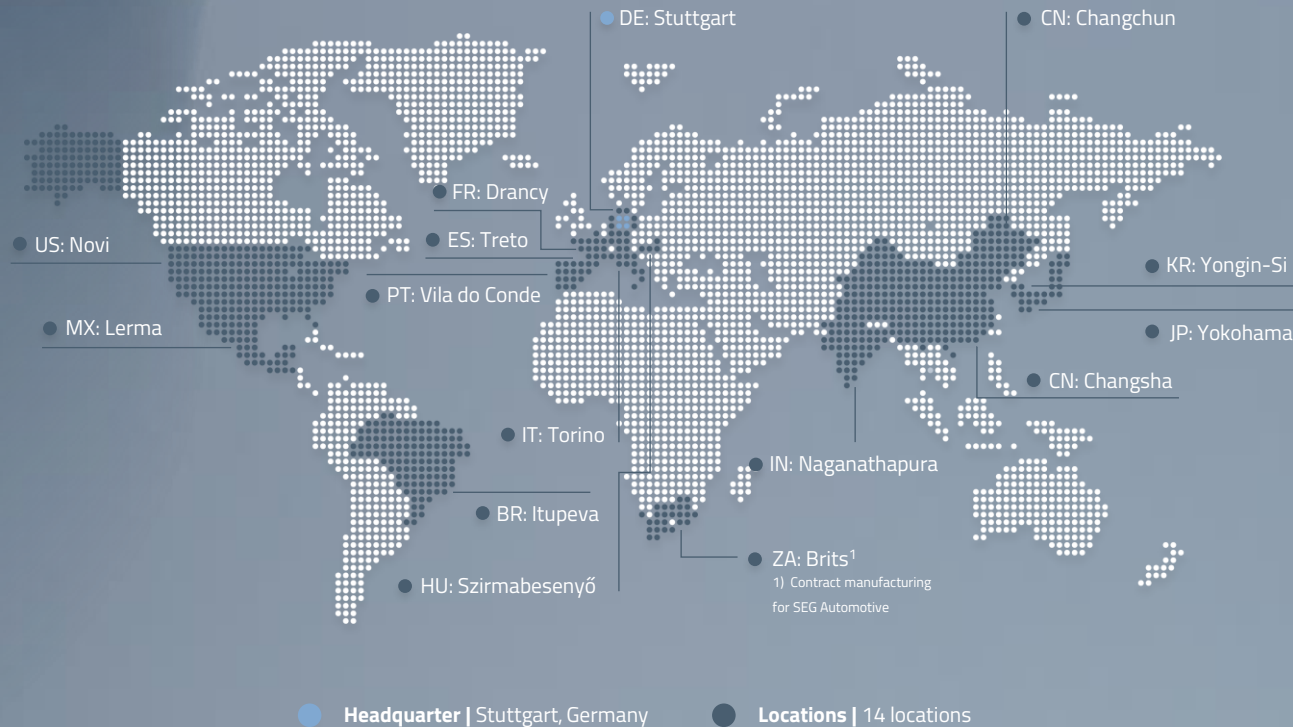
Our legacy doesn't fit on one page – we're talking over 100 years of innovation, engineering high-performance solutions for the automotive industry since our origins as BOSCH Starter Motors and Alternators.

Today, that same expertise powers our eBike drive systems – developed with the quality, reliability, and industrial strength trusted by leading manufacturers worldwide.



Our global overview

SEG AUTOMOTIVE



● Europe ● Americas ● Asia

1.74 bn. EUR
Turnover 2024



YOUR BENEFITS – OUR USP_s

Performance

Scalable torques on lowest weight in an optimized housing

Ultra Quiet

Optimized design to set new noise standards in eBikes

Open System

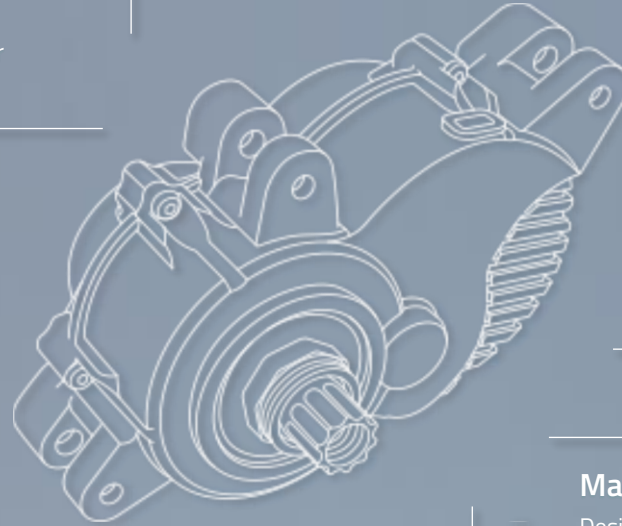
Standalone motor to fit available system of customers

Made in Europe

Designed and produced sustainably in Europe (Spain)

Fast time to market

Available solution



Customized Designs

Customizable shapes and housings for optimal integration into the bike

Software Individualization

In-house-software allows tailoring and new functions

White Label

Non-SEG Automotive branding for individual customer design



OUR PORTFOLIO

BLM70

SEG Automotive – Customized Solutions



TORQUE

POWER

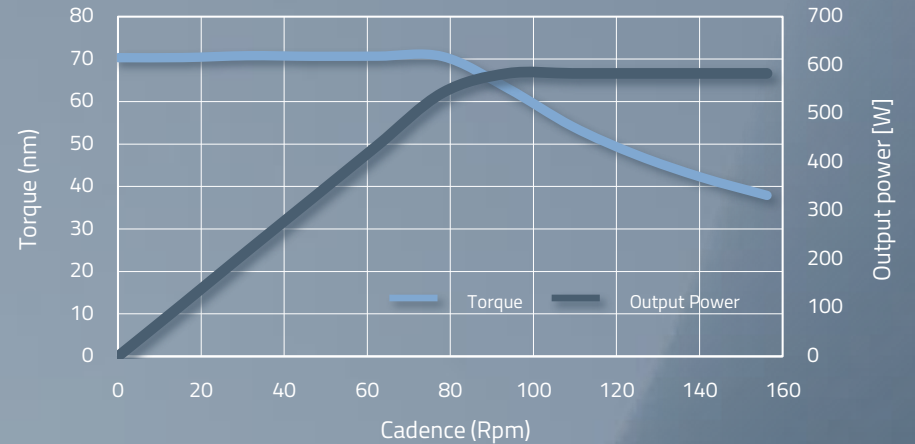
MOTOR EFFICIENCY

Very high torque to weight ratio (32Nm/Kg)

Output power up to 580W

Very high efficiency up to 88%

Torque (Nm)	70
Rated Power (W)	250
Max. Power (W)	500
Weight (g)	2200
Max. Assistance (%)	400
Battery Voltage (V)	36/48



BMM85

SEG Automotive – Customized Solutions



TORQUE

POWER

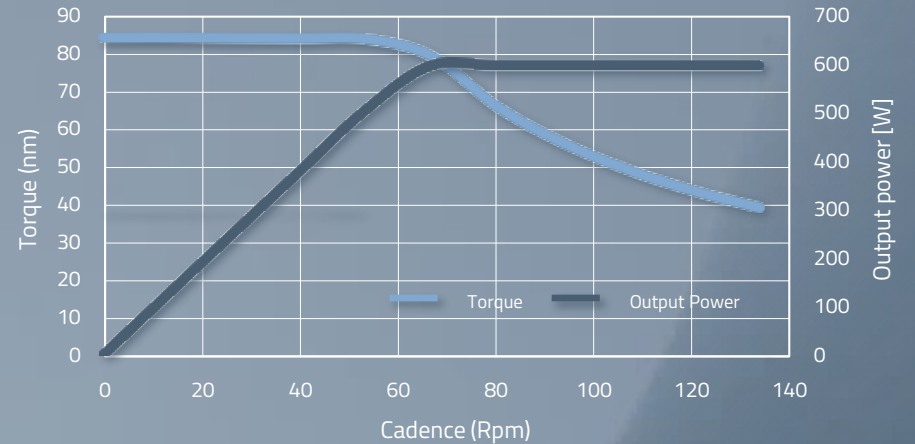
MOTOR EFFICIENCY

Very high torque to weight ratio (34Nm/Kg)

Output power up to 600W

Very high efficiency up to 88%

Torque (Nm)	85
Rated Power (W)	250
Max. Power (W)	600
Weight (g)	2500
Max. Assistance (%)	400
Battery Voltage (V)	36





OUR CUSTOMIZED SOLUTIONS

BHz by SEG

SEG Automotive – Customized Solutions



TORQUE

POWER

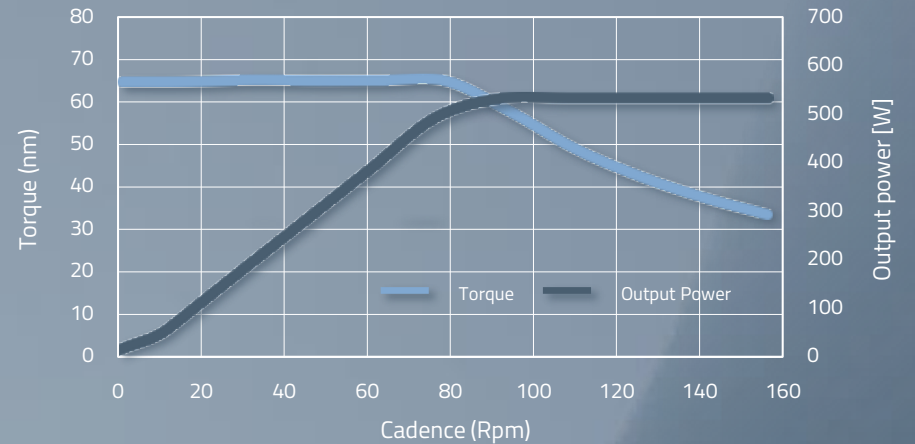
MOTOR EFFICIENCY

Very high torque to weight ratio (31Nm/Kg)

Output power up to 500W

Very high efficiency up to 88%

Torque (Nm)	65
Rated Power (W)	250
Max. Power (W)	500
Weight (g)	2100
Battery Voltage (V)	36



Kreutzer U5 by SEG

SEG Automotive – Customized Solutions



TORQUE

POWER

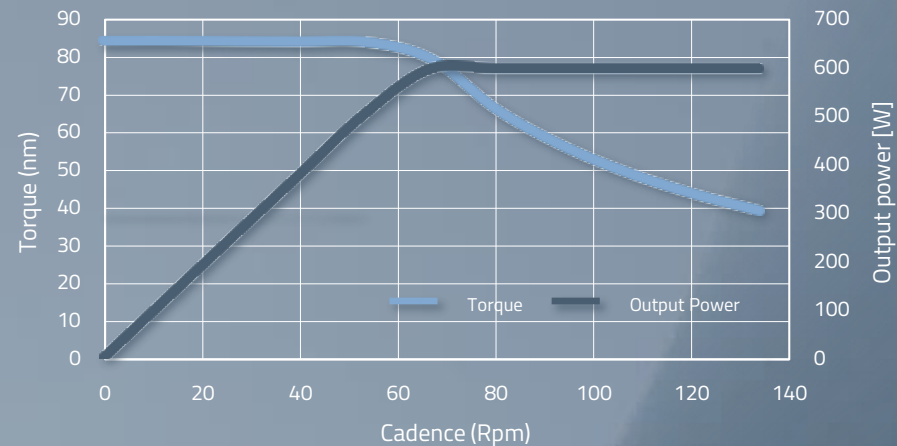
MOTOR EFFICIENCY

Very high torque to weight ratio (33Nm/Kg)

Output power up to 600W

Very high efficiency up to 88%

Torque (Nm)	85
Rated Power (W)	250
Max. Power (W)	600
Weight (g)	2600
Max. Assistance (%)	400
Battery Voltage (V)	36





BHZ



BLM70



BMM85



OUR SYSTEM COMPONENTS

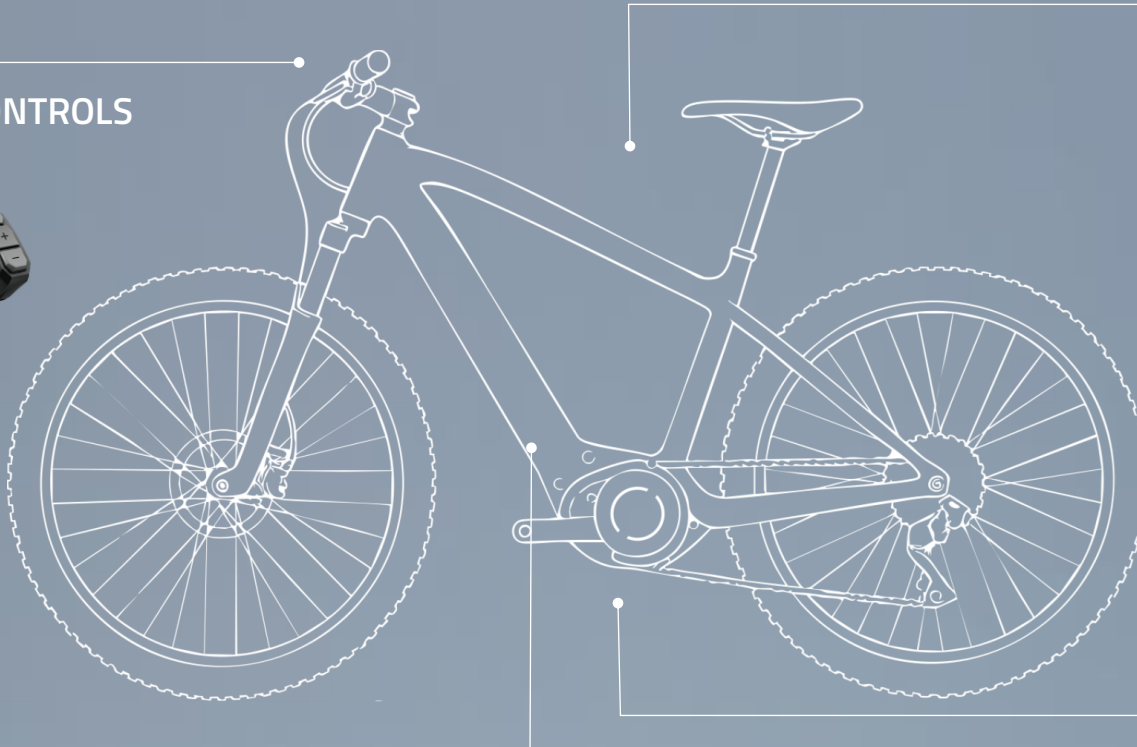
eBike system overview

SEG Automotive

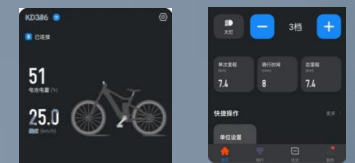
INNOVATIVE DISPLAYS/CONTROLS



VARIETY OF BATTERIES



CONNECTIVITY AND SERVICE



NEXT LEVEL OF MOTORS



Technical data

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D I S P L A Y S

	B D S 1 8	B D C 3 5	B D I 2 0
Display	1.8" Color TFT	3.5" Color TFT	2.0" Color TFT
USB (Charging)	Type-A, 5V 1000mA (Output)	Type-C, 5V 1000mA (Output)	
Bluetooth	Optional		
Waterproof	IP66		
Cycling Info	Real time speed, Real time power		
	Average speed, Maximum speed		

R E M O T E

Connection Type	Wire
Waterproof	IP66
Functions	

Technical data

SEG Automotive



B A T T E R I E S

	B B I					B B E
	INTEGRATED					EXTENDER
Nominal Voltage (V)	36					
Max. Nominal Capacity (Ah)	14	11,6 / 14	11,6 / 14 / 17,5	11,6 / 14 / 17,5 / 22,2	24,5 / 27,8	4,9 / 5,57
Max. Energy Content (Wh)	504	420 / 500	420 / 500 / 630	530 – 800	880 / 1100	176 / 200
Weight (Kg)	3,0	2,9	3,2	4,0	4,9	1,1

C H A R G E R

Output Voltage (V)	36
Standards	EU Standard
Certification Ready	GS / CE / CB



CLICK HERE TO WATCH OUR MOVIE

Contact page

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We are the motor –
for the mobility of today
and tomorrow. _____



@segautomotive