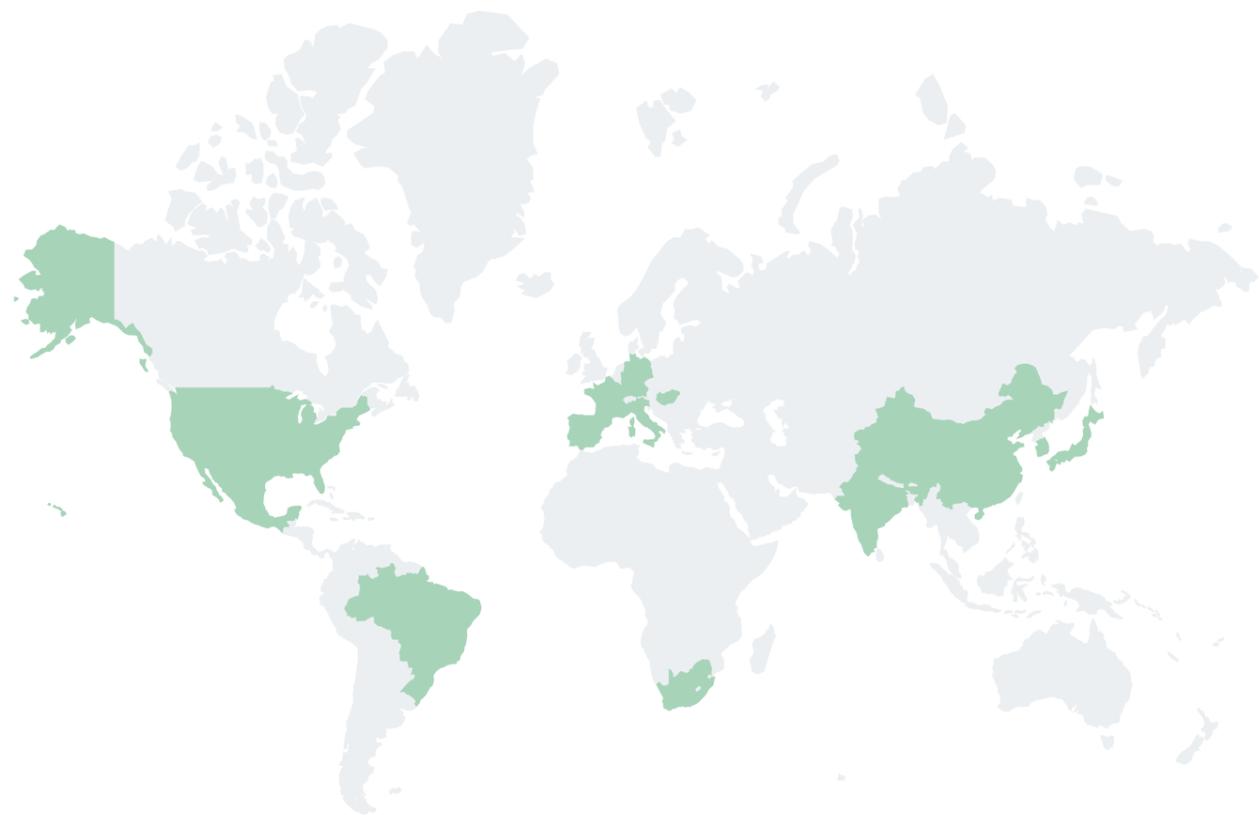




We are the motor – for the mobility of today and tomorrow.

Your partner of choice for
e-mobility solutions. _____



Reliable global partner to the automotive industry since 1913. _____

Emerging from the well-established BOSCH Starter Motors and Alternators division in 2018, we stand for more than a century of development and manufacturing competences for a broad range of passenger car and commercial vehicle's rotating machines.

Almost all car manufacturers worldwide rely on our engineering expertise and global production network for high-performance products. Our quality mindset and manufacturing standards from the Original Equipment (OE) business also drive our growth in e-mobility solutions and make us a strong partner for your success.

Since becoming an independent company, we have significantly expanded our activities and started our e-mobility solutions business. Our products already cover a large portion of the vehicles on and off the road – our portfolio provides a solution for half of the passenger cars and commercial vehicles on Europe's roads. In the mid-term, we aim to provide our customers a market coverage of 80%.

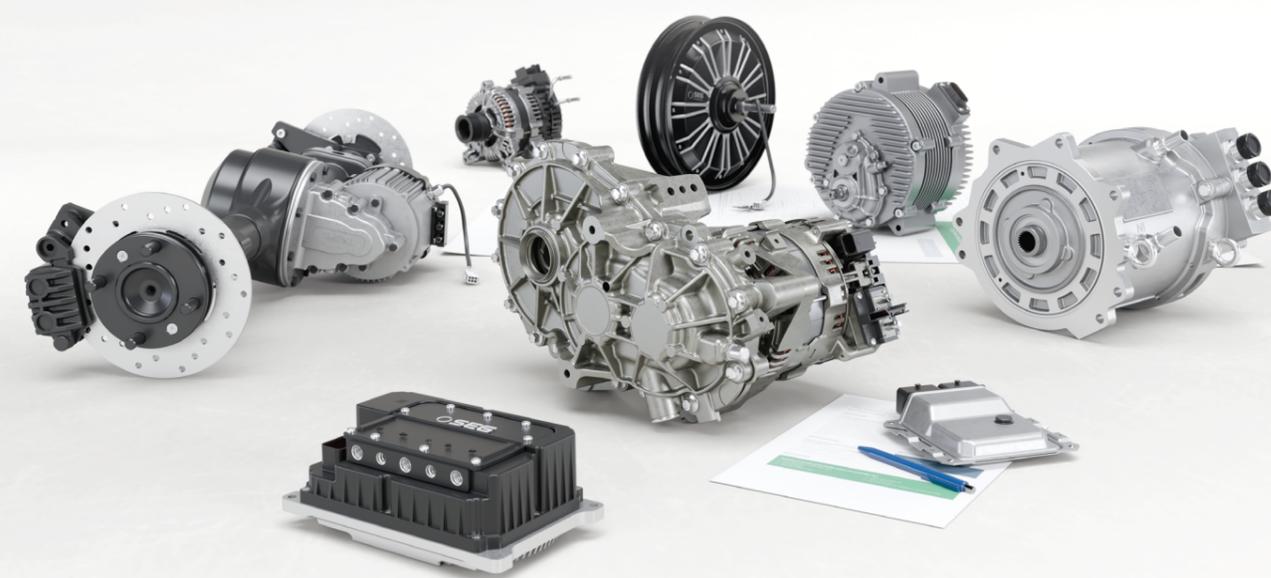
Shaping the past, present and future of mobility. _____

With our engineering expertise and operational excellence, we have continuously been driving technological progress in our industry.

We deliver solutions for today's and tomorrow's market requirements. More than 100 years ago, our starter motors and generators revolutionized how vehicles are used in everyday life. As inventors of Start/Stop and pioneers of 48V mild hybridization, we make present day combustion engines considerably more efficient and climate-friendly.

Inspired by our passion for innovation, we are working tirelessly to extend our technological leadership to e-mobility and develop competitive products for the future of transportation.

In all our actions, we are pursuing a clear goal: to significantly reduce global CO₂ emissions with our solutions.



Solutions for Electrification – One Concept, Multiple Applications.

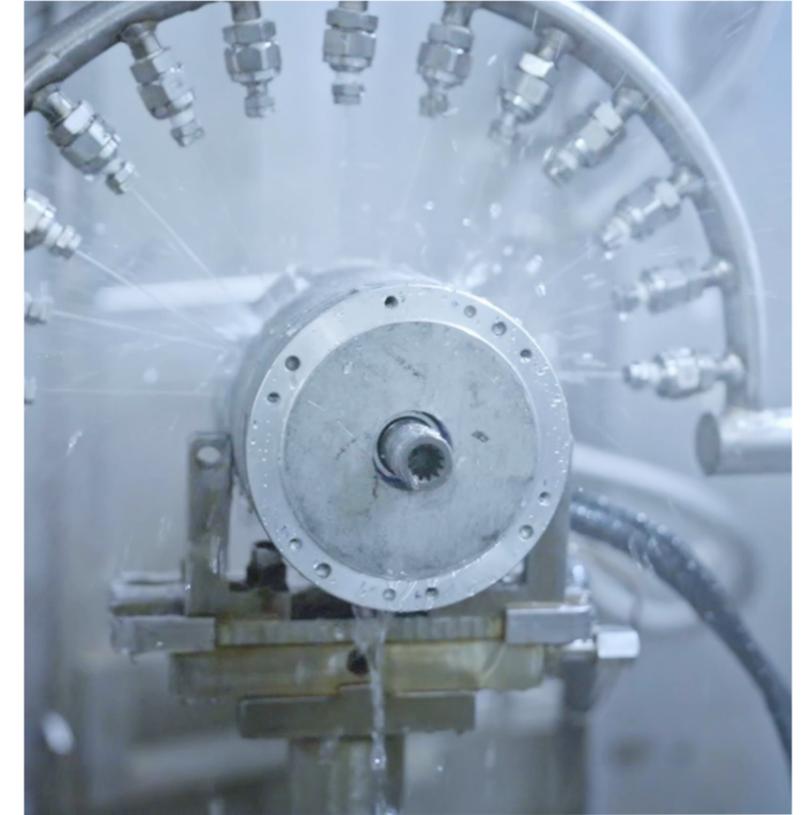
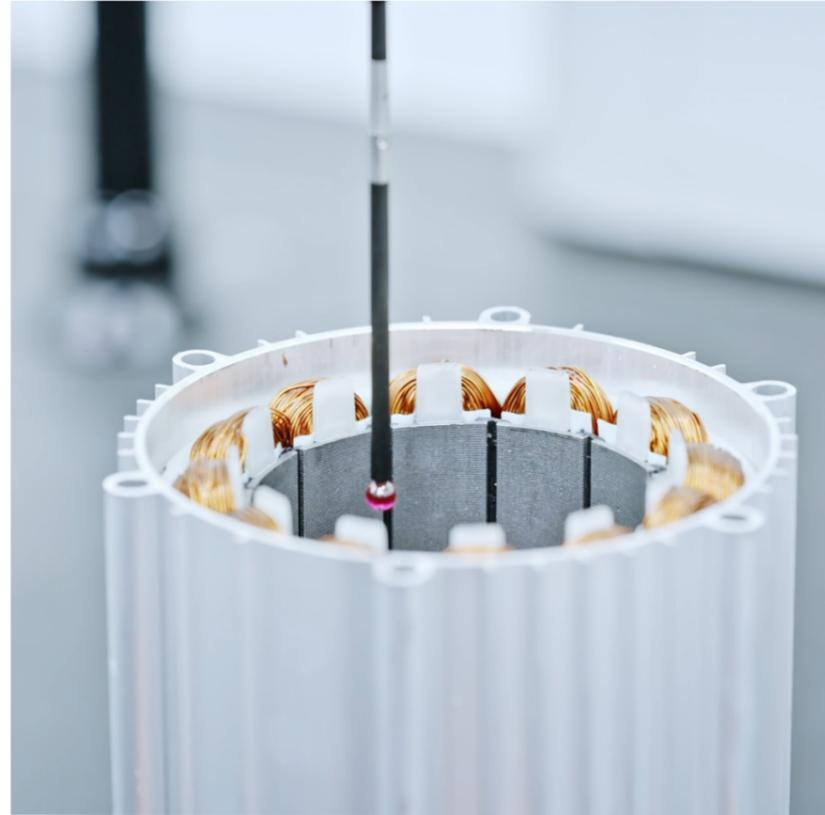
At SEG Automotive, we commit ourselves to an electrified future of mobility. Given today's challenges of the greenhouse effect and air pollution, electrification of the powertrain is essential for the automotive industry. We are a driver of this transformation thanks to our many years of experience in the production of e-machines.

Our scalable high-voltage concepts enable rapid adaptation to various customer applications – from core electric motor components such as stators and rotors of the highest quality to complete, efficient traction machines, powerful inverters and complete electric axes for cars and commercial vehicles. Our portfolio ranges from 48V up to 800V e-machines for powering BEVs (Battery Electric Vehicles), to anything in between. Thus, our electric motors can serve as a power unit for pure electric as well as for plug-in-hybrid vehicles. As a traction motor, the electric motor converts electrical energy into mechanical power and provides hybrid or purely electric propulsion. From power class and torque to the cooling concept: We can individually adjust many parameters to your specific requirements, while maintaining the same outstanding level of quality, reliability and economies of scale. This can include, for example, supplying subassemblies or single components rather than the entire e-machines.

Our powerful solutions with different power classes and installation topologies enable electric driving functions and significantly contribute to a cleaner planet.

Outstanding Expertise.

At the core of this vision are the people at SEG Automotive. "It is the competencies of our diverse global team – for development of e-machines, software and electronics, for manufacturing and industrialization, for robust quality and processes, for mitigating supply chain turbulences and market shifts, for market needs and cost work – that allows a mid-sized company like ours to compete at the highest level. They are the motor for our success – and will allow us to live up to our vision."



48V BRM eDrive System. _____



Boost Recuperation Machine



BRM eDrive

Compact packaging, high performance, low weight.

The electrification of light vehicles will grow significantly over the next years. The main driver for this development is a clean mobility in the cities and the low total cost of ownership electric variants offer compared to their combustion engine counterparts. SEG Automotive has adapted the BRM, developed initially for passenger cars based on highest quality standards, for light electric mobility and developed a Vehicle Control Unit (VCU) to offer a system approach, that covers all the needs of LEM customers. Thanks to compact packaging, high performance and low weight, the BRM eDrive can be easily integrated into the powertrain of 2-wheelers, 3-wheelers and 4-wheelers. The VCU supports different drive configurations and various drive modes, which offer flexibility and enhance user experience.

FEATURES

Added value of the 48V BRM eDrive

- Integrated Inverter
- Innovative design for easy integration
- Compact packaging
- Highest power density
- 88% overall efficiency
- Save shut-off features
- UDS and re-flashing capable
- CAN(-FD) torque control
- Air-cooled system

Data Overview BRM. _____

TECHNICAL DATA

Applications	2, 3 & 4 Wheelers
Specification	BRM 2.8
Motor Type	EESM, 5ph
Nominal Voltage (V)	48
Peak Power (kW)	14
Continuous Power (kW)	8
Peak Torque (Nm)	70
Continuous Torque (Nm)	12
Max Speed (Rpm)	18000
Rated Speed (Rpm)	6000
Peak Current (Amp DC)	360 (Boost) 290 (Recup)
Continuous Current (Amp DC)	-140
Cooling (Natural/Air/Liquid)	Air / Liquid
Communication	CAN (FD)
Weight - Motor (Kg)	-9.5
Weight - Controller (Kg)	Incl. in motor weight
Dimensions - Motor (Ø*L mm)	148 * 161
Dimensions - Controller (L*W*H mm)	Incl. in motor dimensions
Maximum Efficiency (% M+C)	88 (Total)
Peak Temperature (°C)	140 (Max. ambient)
Ingress Protection (IP class)	IP6K9K (Inverter) IP 29K (Motor)
Lifetime (Kms)	300000
ASIL	B

E-Bicycle/Pedelec Machines.



eBike/Pedelec

Lighter, highly integrated, customizable.

The high power density ebike motor developed by our team, introducing us to the growing electric bike market and further establishing our LEM portfolio. Customisable software, ad-hoc design and flexible integration for an e-drive that pushes the boundaries for our customers and consumers.

FEATURES

Added value of eBike Mid Mount Motor

- "Pedelec drive unit: with unlimited boost modes (0...400%)
- Weight: 2,5Kg
- Torque: >85Nm
- Power: 250W (500W peak)
- 85 Nm maximum torque
- Assistance up to 135RPM's cadence.
- Range 90Km (batt 720Wh)
- Q-Factor (pedelec shaft 138mm)
- Ad-hoc design
- Customizable software
- Integrated PCBA" Pedelec drive unit: with unlimited boost modes

Data Overview eBike/Pedelec.

TECHNICAL DATA

Applications	E-BIKE / PEDELECS
Specification	BMM85
Motor Type	Electric PMSM Mid Drive
Nominal Voltage (V)	36
Nominal Power (W)	250
Peak Power (W)	600
Torque (Nm)	85
Max Support (%)	400
Speed Limit (Km/h)	EU: 25 / US: 32
Communication	CAN BUS
Sensors	Speed Sensor
Ingress Protection (IP class)	IP67
Certification	EMC (according to ECE R10-05)
Q Factor (mm)	138
Weight (Kg)	2.5

Hub Mount Electric Machine Series.



HEM 1/60

The Core of Electric Vehicle.

Electric mobility is gaining popularity across vehicle segments to reduce CO₂ emissions. With the drive and usage pattern of two-wheelers, electrification is also beneficial for their total cost of ownership. Adoption of electric powertrains will therefore continue to increase, especially for last-mile delivery. The HEM series from SEG Automotive offers hub mount electric motors, which are customizable to meet the needs of low- and city-speed two-wheeler applications. The best-in-class efficiency, robustness and reliability of these machines offer safe driving in all operating conditions.

FEATURES

Added value of the Hub Mount Electric Machine

- For low speed and city speed electric two-wheeler applications
- Scalable performance, ranging from 1kW to 4,5kW peak power
- Solutions available in 10inch and 12inch wheel rim size, with brake housing
- Smooth, controllable variable-speed operation
- High efficiency in operating cycle, offering increased range and extended battery life
- Controller Area Network (CAN) Interface, enhanced warranty and sealing features
- Solution available in 48V – 72V



HEM 2/90



DCU

Data overview HEM.

TECHNICAL DATA

Applications	2 Wheelers					
	HEM 1/60	HEM 1/70	HEM 2/90	HEM 2/120	HEM 4/130	HEM 5/160
Motor Type	BLDC Hub					
Nominal Voltage (V)	48		48 - 60	60		48 - 60
Rim Size (Inch)	10		12			
Peak Power (kW)	1.0	1.2	1.8	2.3	3.5	4.5
Continuous Power (kW)	0.55	0.85	1.2	1.5	2.0	3.0
Peak Torque (Nm)	60	66	90	115	125	160
Continuous Torque (Nm)	12	16	20	18	28	35
Max Speed (Rpm)	490	540	610 - 680	730		600
Rated Speed (Rpm)	450	520	570 - 640	680		
Peak Current (Amp DC)	25	28	27	22	30	35
Cooling (Natural/Air/Liquid)	Natural					
Weight – Motor (Kg)	9		14.5			14.7
Maximum Efficiency (% M+C)	up to 92					
Peak Temperature (°C)	(Cut-off – 160 / Storage – 85° C / Operating -10 to +45° C)					
Ingress Protection (IP class)	IP67					
Insulation Grade (Class)	Class H					
Lifetime (Kms)	100000					
ASIL	QM					

Mid Mount Light Electric Machine Series.



LEM 2/30



LEM 5/40



LEM 9/60



DCU

The Core of Electric Vehicle.

The electrification of light vehicles like two-wheelers and three-wheelers is estimated to grow significantly over the next years. The main driver for this development is the benefit in terms of total cost of ownership the electric variant offers over the ICE counterparts. SEG Automotive has developed LEM series of motors and controllers especially for light electric mobility. Thanks to the modular concept, compact packaging and high power to weight ratio, these chassis mount e-motors can be flexibly and easily integrated in the powertrain of two-wheelers and three-wheelers. This includes support for different drive configurations and customizable controllers for various drive modes, which offer flexibility and enhance user experience.

FEATURES

Added value of Light Electric Machines

- For two-wheeler, three-wheeler and other light electric vehicles
- Scalable power output, ranging from 2kW to 10kW peak power
- Highly efficient PMSM technology
- Flexible speed-torque characteristics, for customized solution
- High efficiency in operating cycle, offering increased range and extended battery life
- Optimized electromagnetic design for better NVH performance
- Robust and Reliable solution built for tough operating conditions
- Drive control system with diagnostics, protection features and Controller Area Network (CAN) interface
- Solution available in 48V – 96V

Data Overview LEM.

TECHNICAL DATA

Applications	2 & 3 Wheelers					
	LEM 2/30	LEM 3/30	LEM 5/40	LEM 9/60	LEM 9/50	LEM 12 / 60
Specification						
Motor Type	PMSM, 3Ph					
Nominal Voltage (V)	48					48 / 60 / 72 / 96
Peak Power (kW)	2	3.3	5.0	8.5	9	12
Continuous Power (kW)	1.2	2.2	3.3	5.5		6
Peak Torque (Nm)	28		38	57	49	52 / 56
Continuous Torque (Nm)	3-4	4.5	7	15		
Max Speed (Rpm)	3500	4800	4500 / 6000	3600 / 4000	6700	6000 / 7000
Rated Speed (Rpm)	3200	4500	4450	3550	3300	4500 / 5500
Peak Current (Amp DC)	50	75 - 80	125	200		200
Continuous Current (Amp DC)	28-29	53-55	80	125-130		
Cooling (Natural/Air/Liquid)	Natural	Natural, 12m/s				
Communication	CAN (Optional)	CAN	CAN, w/ 1 SAE J1939 channel			
Weight – Motor (Kg)	-6		-9.5	-10.5	-14	-12
Weight – Controller (Kg)	-2		-2.5			
Dimensions – Motor (Ø*L mm)	157 * 153		145 * 185	145 * 202	185 * 220	200 * 250
Dimensions – Controller (L*W*H mm)	257 * 123.5 * 67		200 * 118 * 66	223 * 134 * 77		
Maximum Efficiency (% M+C)	up to 92					up to 90
Peak Temperature (°C)	180					
Ingress Protection (IP class)	IP67					
Insulation Grade (Class)	Class F			Class H		
Lifetime (Kms)	100000			150000		
ASIL	QM		QM / B			

48V Electric Drive System (EDS). ---



48V EDS

Compact and reliable.

The e-drive systems from SEG Automotive are compact and can propel any light vehicles very efficiently. The motor, intelligent electronics and the transmission in the system can offer impressive acceleration to the user by providing customized driving modes.

In the space of system solutions, while keeping the weight and the fastening space optimized, we even have perfectly refined the wiring cables to create compact system housing.

FEATURES

- Added value of Light Electric Machines**
- For two-wheeler & other light electric vehicles & auxiliaries
 - 6 phase, highly efficient Permanent Magnet Synchronous motors
 - Flatwire concentrated winding
 - Natural air-cooled concept, motors & controllers
 - Drive control system with diagnostics, protection features & CAN
 - Functional Safety ASIL B acc. to ISO 26262, Cybersecurity ready
 - AUTOSAR based robust and scalable software functions
 - Ingress protection, IP67

Data overview 48V EDS. ---

TECHNICAL DATA

Applications	2 & 3 Wheelers		
	EDS 6/25 48V	EDS 9/30 48V	EDS 14/42 48V
Specification			
Peak Power (kW)	6.0	9.0	14.1
Rated Power (kW)	3.3	5.6	9
Peak Torque Motor (Nm)	25	30	42
Max Speed Motor (Rpm)	7000	7900	9300
Peak Torque* (Nm)	80	97	134
Max Speed* (Rpm)	2190	2470	2920
Rated speed* (Rpm)	1400	990	970
Peak Current (Amp DC)	160	230	350
Weight – Motor (Kg)	~11	~12.5	~14.5
Dim. – Motor (L*B*H mm)	190* 190* 190		
Max Efficiency (% M)	90	92	
Gear Ratio	3.2		

Heavy Duty Cargo E-Axle.



Cargo E-Axle

Revolutionizing the standard axle.

Revolutionizing Urban Logistics: The Power of Innovative Drive Trains with Rigid Axle Advantage. In the heart of urban transportation, where efficiency and sustainability reign supreme, our heavy-duty cargo e-bikes are driven by cutting-edge technology at their core, coupled with the unparalleled advantages of a rigid axle system.

FEATURES

Added value of the E-Axle

- Direct motor mounted solution
- Highly durable
- Reduced complexity
- Load stability
- Cost-efficient
- Reduced maintenance
- Reduced weight
- Individual quantity contracts
- Dual caliper available optionally with an integrated parking break to reduce costs and complexity

Added value of the Light Electric Motor

- Scalable performance, ranging from 2kW to 10kW peak power
- Flexible, customizable speed-torque characteristics
- Application on belt drive, chain drive or direct coupling to gear box
- Customizable drive modes, like forward, reverse and multiple user defined modes
- Drive control system with diagnostics, protection features and CAN interface
- Solution available in 48V — 96V
- Ingress protection, IP67



LEM 2/30

Data overview Cargo E-Axle.

TECHNICAL DATA

Applications	3 Wheelers
Specification	AXLE AB5
Gears (Speed)	2
Brakes (mm)	180 / 200 / 220 (Disk brakes)
Track Width (mm)	870
Peak Torque (Nm)	28
Ratio	1:8:3; 1:20:8
Axel Weight (Kg)	22,5
Static Load (Kg)	800
Gear Shifter	Customizable
Wheel Connection (mm)	100 (4 whole system)

Applications	2 & 3 Wheelers
Specification	LEM 2/30
Motor Type	PMSM, 3Ph
Nominal Voltage (V)	48
Peak Power (kW)	2
Continuous Power (kW)	1.2
Peak Torque (Nm)	28
Max Speed (Rpm)	3500
Rated Speed (Rpm)	3200
Peak Current (Amp DC)	50
Weight - Motor (Kg)	~6
Dimensions - Motor (Ø * L; mm)	157 * 153
Max. Efficiency (% M)	up to 92
Ingress Protection (IP Class)	IP67

Vehicle Control Unit (VCU).



VCU

The system approach, everything from one hand.

In order to expand the application range of 48V systems and reduce complexity and integration efforts for our customers, SEG has developed the Vehicle Control Unit (VCU) targeting the light electric mobility with a wide application spectrum from 2-wheelers (L1e) to 4-wheelers (L7e) up to industrial and utility applications. The VCU is optimized to be used with the BRM eDrive as a system approach, but also as independent control unit. The VCU calculates and distributes torque request to the BRM eDrive. It handles other functionalities like regenerative braking, OBD, Fast charging, multiple motors handling (torque vectoring), backwards drive. It coordinates the communication with other components, such as battery management system, onboard charger, display\HMI, braking, lights, etc.

FEATURES

- Added value of the VCU**
- Dimensions (Approx.): 160x160x40mm
 - Weight (Approx.): 300gr
 - Housing (Upper + Lower covers): Aluminum sheet (AlMg3)
 - Pressure Compensation Element (PCE)
 - Lockable 2-pocket connector (120 pins: 65 + 55)
 - Mechanical fixation to vehicle chassis: Via 4x through-holes

Data Overview VCU.

TECHNICAL DATA

Specification	VCU
CAN/CAN FO communication: 2x CAN buses available	Overall Powertrain Management
	e-Drive unit (48V or higher)
	Traction Battery Management System (BMS)
	On-Board Charger (OBC)
	HMI-Display
	Communication Control Unit (CCU) + GPS
	OBD (On-Board Diagnostics)
	Via UDS (Unified Diagnostic Services)
Several Driving Modes	Normal
	Eco
	Boost + Crawl + Reverse
Regenerative Braking	ICE Emulation + Friction Braking Support
Real Time Clock (RTC)	Timestamp
	Alarm Wake-up (Eg. Low 12V battery level)
Error Management + Alarms + Diagnostics	
Model-Based-Design (MBD) Application SW Development	
FuSa Compliant (HW + SW + Process)	
Vehicle Cruise Control	

Charging Via External Station (EVSE)	Both Slow & Fast Charging
	Communication Protocol (Proximity Pilot, Control Pilot) eLock Management
Multiple e-Drive Units Torque Coordination ("Torque Vectoring")	
"One-Pedal" Driving	
ABS (Anti-Lock Brake System, via CAN)	
Hill-start Assist	
BCM (Body Control Module, via CAN)	
TCU (Transmission Control Unit, via CAN): If there is a GBox (E.g. 2-speed)	
TPMS (Tyre Pressure Measurement System, via CAN)	
Additional CAN Buses (More Transceivers)	
PWM Outputs (3.5A): eLock / (Fast Charging), Electric Parking Brake (EPB) Windscreen Wipers	
IMU = Inertial Measurement Unit	
4x Pulse Counters (E.g. Wheel Speed Sensors)	
1z Encoder (E.g. Steering Wheel Angle Sensor - SWA)	
HW needs to be updated	LIN Communication
	Automotive Ethernet
	24V or 48V Supply Net (Instead of 12V)

High Voltage Machines – Pull-in Concept.



HV Traction Machine



HV Controller

FEATURES

Added value of High Voltage Machines – Pull-in Concept

- For light electric commercial vehicles as well as other applications
- 3 phase, highly efficient, permanent magnet synchronous motors
- Pull-in winding technology
- Liquid cooled concept, Motors & Controllers
- Drive control system with diagnostics, protection features & CAN
- Compact execution with optimised electromagnetic design
- Ingress protection, IP67

Data Overview HV Pull-In Concept.

TECHNICAL DATA

Applications	2, 3 & 4 Wheelers										
Specification	E-LCV										
Motor Type	PMSM										
Nominal Voltage (V)	48		96		256	330	320	384	400		
Peak Power (kW)	18	22	32	35		50	80		180		
Continuous Power (kW)	11	15	22	18	20	32	38	50	110		
Peak Starting Torque (Nm)	95		150		190	225	300	200	320		
Continuous Torque (Nm)	35		100	60	85	110		100	160		
Max Motor Speed (Rpm)	10000		8000	9000	9500		10000	9500	16000		
Cooling	Water Jacket	Air Cooled			Water Jacket						
Cooling Flow (Water/Air)	8L/min		30m/s	14L/min	8L/min		14L/min	8L/min			
Maximum Efficiency (%)	> 95										
Winding Technology	Pull-in										
Phases (No)	6		3								
Inverter Peak Current (Amp DC)	235	330	320	440	220		280	250	500		
Inverter Continuous Current (Amp DC)	107	150	220	180	110			125	280		
Stator Outer Diameter (mm)	150	180		164			180	164	220		
Stator Iron Length (mm)	97	60	180	112		130	160	150	140		
Ingress Protection (IP class)	IP67										

High Voltage Machines – Hair Pin Concept.



HV Traction Machine



HV 3-in-1 EDS



Inverter

The Core of Electric Vehicle.

“At SEG Automotive, we commit ourselves to an electrified future of mobility. Given today’s challenges of the greenhouse effect and air pollution, electrification of the powertrain is essential for the automotive industry.

We are a driver of this transformation thanks to our many years of experience in the production of e-machines.

Our scalable high-voltage concepts enable rapid adaptation to various customer applications – from core electric motor components such as stators and rotors of the highest quality to complete, efficient traction machines, powerful inverters and complete electric axles for cars and commercial vehicles.”

FEATURES

- Added value of High Voltage Machines – Pull-in Concept**
- E-Highest machine efficiency and power density enabling extended driving range
 - E-machines classes for various powertrains up to 320kW
 - Scalable output power, flexible speed-torque performance
 - Optimized electromagnetic design for better Noise, Vibration, Harshness (NVH) performance
 - Oil or water cooled
 - Powerful design process in place creating customized e-machines
 - Flexible production concept handles different types of e-machines
 - Delivery scope includes entire e-machines, subassemblies and components

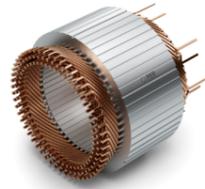
Data Overview HV Hair Pin Concept.

TECHNICAL DATA

Applications	4 Wheelers		
Specification	EM-M 150 / 330	EM-M 160 / 340	EM-M 270 / 505
Motor Type	PMSM, 3Ph		
Power Motor Peak, Mech (kW)	150	160 (10s)	270 (10s)
Power Motor Continuous, Mech (kW)	90	85	150
Peak Torque (Nm)	330	320	505
Continuous Torque (Nm)	190	105	300
Max Speed (Rpm)	15000	17000	10500
Peak Efficiency (%)	97		

Applications	4 Wheelers	
Specification	EDS 260 / 800V	EDS 160 / 400V
Motor Type	PMSM, 3Ph	
Peak Power @10s (kW)	260	160
Peak Torque @10s (Nm)	≥ 4500	≥ 3200
Continuous Power (kW)	≥ 100	≥ 65
Continuous Torque (Nm)	≥ 2000	≥ 1500
Output Max Speed (Rpm)	1682	≥ 1400
Max System Efficiency (%)	94.5	≥ 93.5
Ingress Protection (IP class)	IP67	
ASIL	D	C/D
EMC (Class)	3 to 5	3
Cooling	Hybrid	

High Voltage Stator & Rotor.



Stator



Rotor

FEATURES

Added value of High Voltage Stator & Rotor

- Internal SEG Automotive Design (Build to Spec) as well Customer Designs (Build to Print)
- Support of Design to Cost and manufacturability for customer designs (Co-Design work)
- Flexible stator and rotor diameter up to 270mm and length up to 180mm
- Flexible production concept handles different types of e-machines and voltage classes
- Delivery scope from main sub-assemblies (Rotor, Stator) to single components

High Voltage Auxiliaries.



HV Auxiliaries

Auxiliary Equipment – powering vehicle support functions.

The change towards an electrified future goes beyond powertrain electrification. After all, a modern car requires a variety of additional e-machines, e.g. for windshield wipers, pumps, or the air-conditioning compressor. In an all-electric vehicle, the performance and efficiency of these e-machines directly influences driving range and experience.

At SEG Automotive, we employ our long time experience in developing automotive e-machines to also offer tailored solutions for auxiliaries. With compact packaging and high flexibility in terms of voltage level and as output power, our e-machines for auxiliaries can cover a wide range of application requirements.

FEATURES

Added value of High Voltage Auxiliaries

- Highest machine efficiency and power density allowing very compact packaging
- Customized e-machines for various application and voltage level
- Scalable output power, flexible speed-torque performance
- Optimized electromagnetic design for better Noise, Vibration, Harshness (NVH) performance
- Oil or water cooled, or others depending on use case (e.g. AC compressor)
- Powerful design process in place creating customized e-machines
- Flexible production concept handles different types of e-machines
- Delivery scope includes entire e-machines, sub-assemblies and components

High Voltage Relays. _____



HV Relays

Relays – Streamline the flow of electrical currents.

As a leading manufacturer of Starter Motors, we have been producing reliable relays for decades. High Voltage relays are needed throughout electric vehicle. In the charging system, for example, or to control auxiliaries.

For this wide variety of applications, we offer reliable relays in the range of 450V to 1.500V and 20A to more than 500A that fulfill the highest safety standards.

FEATURES

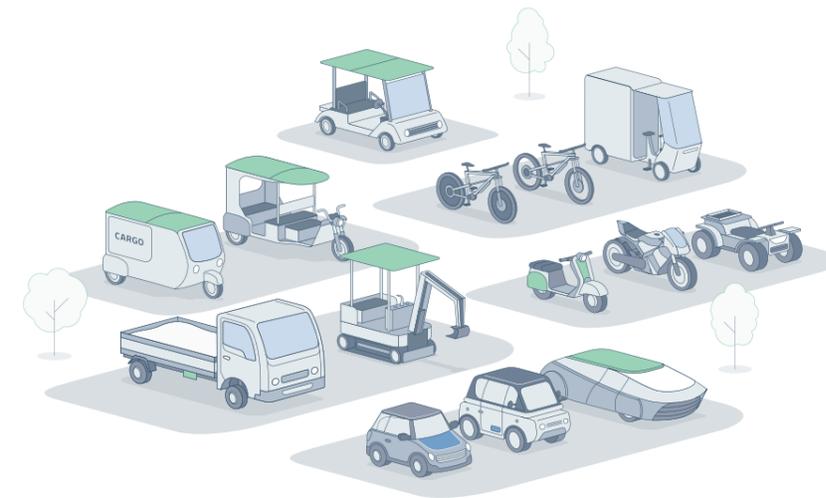
Added value of High Voltage Relays

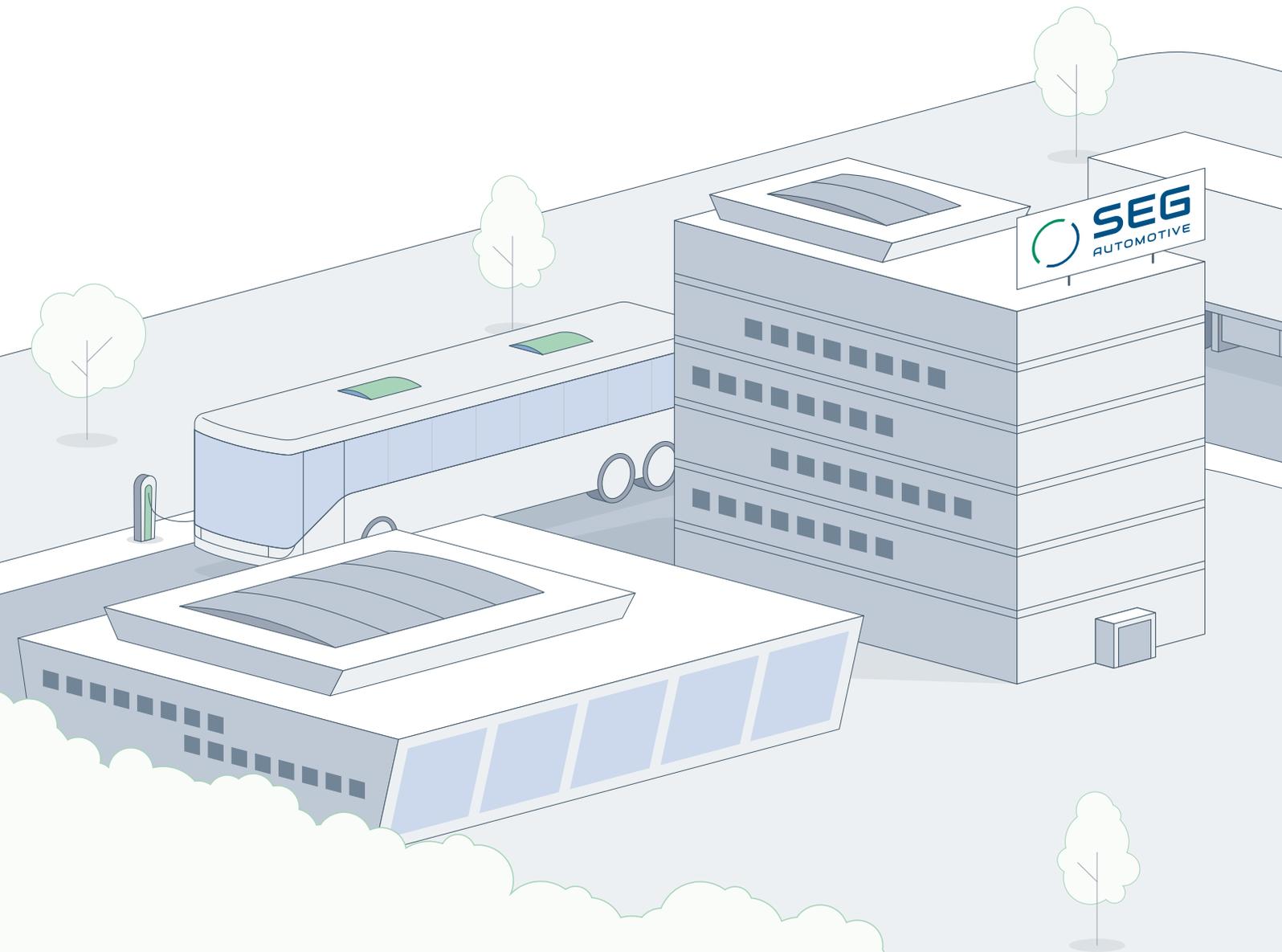
- Optional ceramic brazing sealing with H2 filling
- Anti-welding contact design
- IP67 protection level
- Customized solution available (Long-life, Ultra quiet, specified interface)

Solutions for Light Electric Mobility. _____

The electrification of light vehicles like two-wheelers and three-wheelers has gained a lot of momentum. They provide efficient last mile connectivity for passenger and goods, keep emissions out of the crowded cities and reduce air pollution and offer a better total cost of ownership than comparable combustion engine powered vehicles. Their low dependence on charging infrastructure and a reduced total cost of ownership than comparable combustion engine vehicles also make electrifying these segments highly appealing.

SEG Automotive has developed a series of motors and controllers dedicated to light electric mobility. Thanks to a modular concept, compact packaging and outstanding power to weight ratio, these e-motors can be flexibly and easily integrated in the powertrain of two-wheelers and three-wheelers. This includes support for different drive configurations and customizable controllers for various drive modes, which offer flexibility and enhance user experience. The solutions are built to increase vehicle range and offer outstanding reliability and robustness to withstand the tough operating conditions light electric vehicles often face.





Product portfolio

SEG Automotive India Private Limited

Naganathapura Plant, PB no. 1001
560100 Bengaluru
India
www.seg-automotive.com

Contact:
seg.india@seg-automotive.com

English Brochure — V241220