

We create value for your success

我们的价值 因客户而存在



苏州朗高电机有限公司
电话: 0512-66931568
地址: 江苏省苏州市吴中区繁丰路 608 号
网址: <https://www.leog-motors.com>
邮箱: sales@leog-motors.com

Suzhou LEOG Motors Co.,LTD.
Telephone: 0512-66931568
Address: No.608,Fanfeng Road,Suzhou,Jiangsu,China
Website: <https://www.leog-motors.com>
E-mail: sales@leog-motors.com

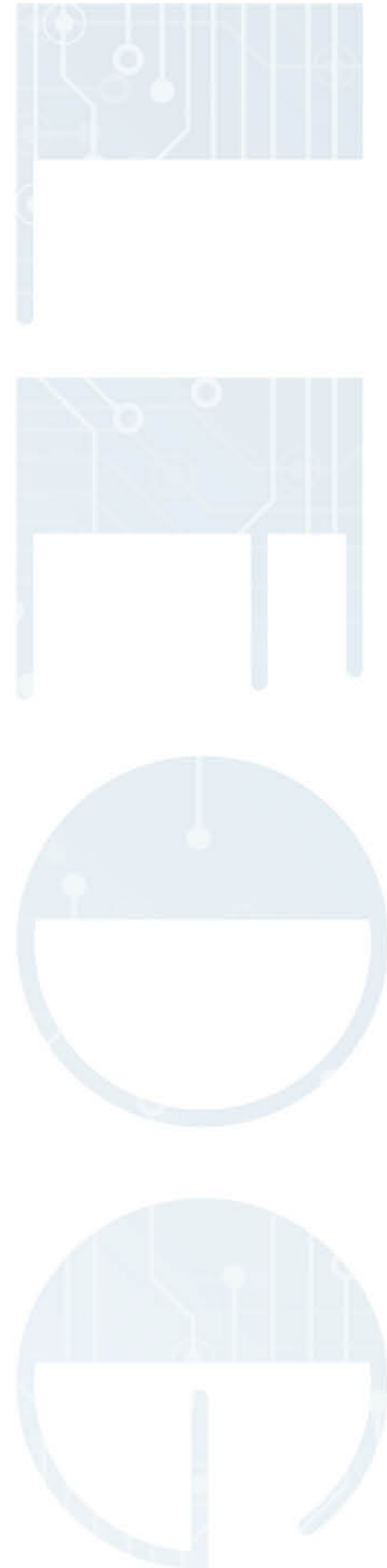
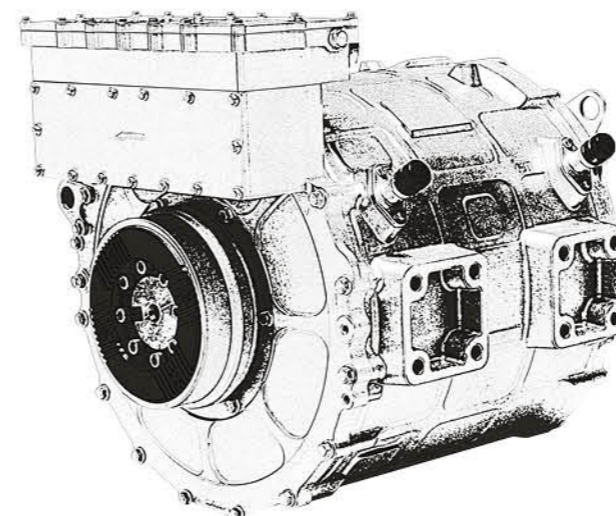


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information

LEOG
朗|高|电|机

Special motors for new energy
commercial vehicles and construction
machineries

新能源商用车及工程机械专用电机





公司简介 Company Profile

苏州朗高电机有限公司成立于2006年，注册资本10366万元，在苏州、广州、北京三地均设有研发中心，是国家级高新技术企业、国家级专精特新小巨人企业、江苏省民营科技企业，江苏省省级企业技术中心，获得授权专利180余项，拥有CNAS国家级实验室认证的电机测试中心。

Founded in 2006 with a registered capital of 103.66 million CNY, Suzhou LEOG Motors CO., LTD. has R&D centers in Suzhou, Guangzhou and Beijing and has been entitled National High-tech Enterprise, National "Little Giant" Firm, Jiangsu Private Technology Enterprise, Jiangsu Enterprise Technology Center, exceed 180 authorized patents and a motor testing center certified by CNAS national laboratory.



专业、专注，所以值得信赖

Professional, dedicated and trustworthy



国家级高新技术企业
National High-tech Enterprise



国家级专精特新小巨人企业
National Specialized and New Enterprise;
"Little giants" Firm



江苏省省级企业技术中心
Jiangsu Enterprise Technology Center



CNAS 试验中心
CNAS Testing Center

公司专注于永磁同步（伺服）电机与异步特种电机的研发制造，发展战略定位于新能源商用车与工程机械、风力发电、工业高效节能应用等领域，是这些领域驱动电机的主要制造商，目前已为国内外市场提供大约100万台高性能特种电机。

LEOG focuses on the R&D and manufacturing of permanent magnet synchronous (servo) motors and asynchronous special motors, and its development strategy is positioned in the fields of new energy commercial vehicles and construction machineries, wind power, industrial high-efficiency and energy-saving applications. Leog is the main manufacturer of drive motors in these industries and has provided about 1 million high-performance special motors for domestic and foreign markets.



01

产品线宽, 适用车(机)型广 Wide product lines with wide applicability to vehicle(machine)

转矩 320-11000Nm、转速 1500-15000rpm 范围内都有不同性能的产品组合, 适配变速箱、电驱桥、轮边、中央直驱等驱动方式及新能源商用车和新能源工程车辆或机械。

There are product combinations with different performance in the range of torque 320-11000Nm and speed 1500-15000rpm, which are suitable for electric engineering vehicles or machinery equipped with different driveline, such as gearbox, e-axle, wheel drive, central direct drive, etc., as well as new energy commercial vehicles and new energy engineering vehicles or machineries.



03

宽范围的环境适应性 Wide range of environmental adaptability

适应高温高寒 (-40°C ≤ 环境温度 ≤ 55°C 时, 满功率输出; 55°C ≤ 环境温度 ≤ 85°C, 降容输出)、高湿 (湿度 ≤ 100%, 正常工作)、高海拔 (≤ 5500m) 等极端环境; 适应矿山、工地等各种复杂工况; 同时适应于各种恶劣环境, 防腐等级达到 C4-H。

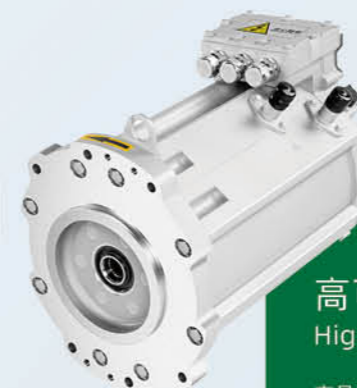
Adapt to high temperatures and extreme cold (-40 ° ≤ ambient temperature ≤ 55°, full power output; 55° ≤ ambient temperature ≤ 85 °, degradation output), high humidity (humidity ≤ 100%, normal work), high altitude (≤ 5500m) and other extreme environments; adapt to various complex working conditions such as mines and construction sites. At the same time, adapt to various harsh environments, and the corrosion protection level reaches C4-H.

5大产品特色

Five major product features

新能源商用车及工程机械专用电机

Special motors for new energy commercial vehicles and construction machineries



04

高可靠性、高安全性、长寿命 High reliability, high safety and long lifetime

产品已有超过 10 年的可靠运行时间; 拥有 15 年以上的新能源汽车电机研发经验; 国内外商用车市场累计保有量超 23 万台。

The product has more than 10 years of reliable operation time, and LEOG has more than 15 years of experience in the research and development of new energy vehicle motors. The cumulative number of commercial vehicle motors in the domestic and foreign markets exceeds 230,000 units.

02

高效率、高转矩 / 高功率密度、高过载能力 High efficiency, high torque density, high overload capacity

高效区可达效率大于 90% 的工作点占整个区域的 90%; 最高效率 ≥ 97%; 转矩密度达 20Nm/kg; 功率密度达到 6kW/kg; 过载倍数达 2-3 倍。

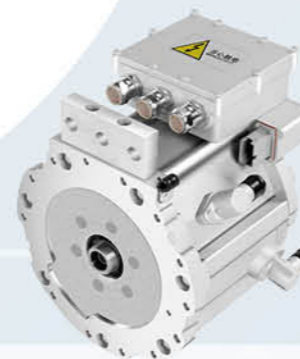
The working points whose attainable efficiency exceed 90% in high-efficiency zone can share 90% of the whole area. The highest efficiency is ≥ 97%. Torque density is up to 20Nm/kg. Power density reaches up to 6kW/kg. Overload capacity is up to 2-3 times.

05

动态响应快, 低噪音 Fast dynamic response and low noise

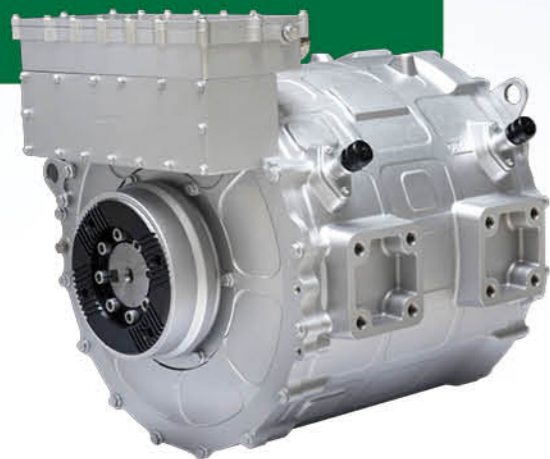
转子惯量低, 响应速度快; 低震动, 低噪音。

The motors have low rotor inertia, fast response, low vibration and low noise.



新能源商用车 (中央驱动)

New energy commercial vehicles (Central Drive)



客车 Bus & Coach



高效率
响应快

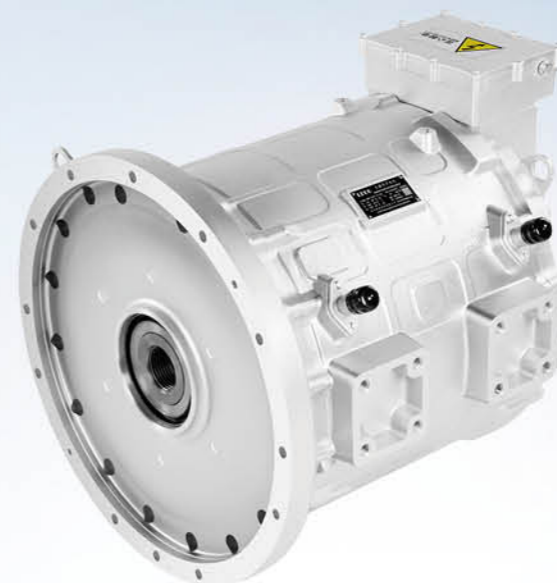
High efficiency and fast response



噪音低
适用广泛

Low noise
Widely applicable

卡车 Truck



高过载能力

High overload capacity



安全可靠
寿命长

Safe and reliable
Long lifetime



适应性强

Strong adaptability

■ 客车 Bus & Coach

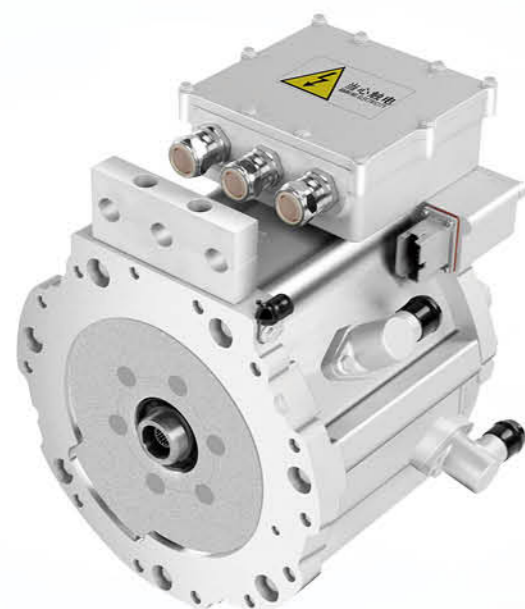
参数 Specification	类别 Classification	6-7m 公交车 6-7m bus 6-7m 公路车 6-7m coach	8-9m 公交车 7-8m bus 7-8m 公路车 7-8m coach	8-9m 公路车 8-9m coach	10-12m 公交车 10-12m bus 10-11m 公路车 10-11m coach	10-11m 双层公交 10-11m double-decker bus	11-12m 公路车 10-11m coach	13m 公交车 13m bus	15m 公交车 15m bus	18m 公交车 18m bus
额定电压 (Vdc) Rated voltage		540	540	540	540	540	600	600	600	540
额定功率 (kW) Rated power		65	80	100	125	125	220	150	180	250
峰值功率 (kW) Peak power		130	160	200	250	250	350	280	360	500
额定转矩 (Nm) Rated torque		620	765	955	1195	1400	1240	1430	1720	2400
峰值扭矩 (Nm) Peak torque		1200	1500	2000	2400	2800	2800	3200	3700	4800
额定转速 (rpm) Rated speed		1000	1000	1000	1000	850	1700	1000	1000	1000
峰值转速 (rpm) Peak speed		3500	3000	3500	3000	2500	3500	3000	3000	3000

■ 卡车 Truck

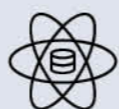
参数 Specification	类别 Classification	4.5-7.5T 载货车 4.5-7.5T light truck	8-12T 载货车 8-12T midum truck	15-18T 载货车 15-18T midum truck	25T 重卡, 搅拌车, 轻载牵引车 25T heavy truck, mixer truck, light tractor truck	49T 牵引车, 31T 自卸车, 渣土车, 搅拌车 49T tractor truck, 31T tipper truck, muck truck, mixer truck	>49T 重载重卡, 牵引车, 自卸车, 高爬坡工况 > 49T heavy duty truck, tractor truck, tipper truck, high climbing condition truck		
额定电压 (Vdc) Rated voltage		540	540	600	600	600	610	650	650
额定功率 (kW) Rated power		65	120	150	215	250	330	360	400
峰值功率 (kW) Peak power		130	185	280	350	400	450	550	600
额定转矩 (Nm) Rated torque		620	500	800	1000	1330	1370	1640	1910
峰值扭矩 (Nm) Peak torque		1200	1000	1600	2000	2800	2800	3000	3000
额定转速 (rpm) Rated speed		1000	2300	1790	2050	1800	2300	2100	2000
峰值转速 (rpm) Peak speed		3500	4000	3000	3000	3500	3500	3200	3200

新能源商用车 (桥驱动 / 高速驱动)

New energy commercial vehicles (Electric axle / high speed drive)



电驱桥用 E-axle drive



高可靠性
High reliability

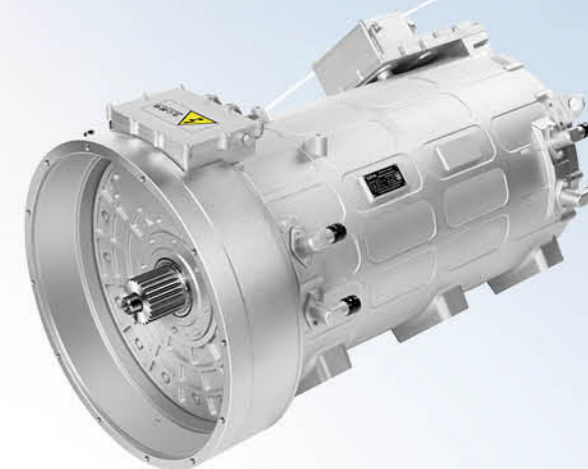


高功率密度
High power density



新能源矿卡

New energy mining truck



矿卡 Mining truck

电驱桥用 E-axle drive

类别 Classification 参数 Specification	轻卡 Light truck			中卡 / 重卡 Midum truck / Heavy truck				客车 Bus	
	3.5T 电驱桥 3.5T e-axle			5T 桥 5T e-axle	11.5T 桥 11.5T e-axle	13T 桥 13T e-axle	双电机驱动 16T 桥 16T dual motors e-axle		客车桥 Bus e-axle
	35C	35A	38A	50X	55X	60X	60A	75A	95A
额定电压 (Vdc) Rated voltage	350	540	540	540	540	650	618	618	650
额定功率 (kW) Rated power	60	65	80	70	160	210	150x2	200x2	180
峰值功率 (kW) Peak power	120	140	150	150	260	350	270x2	300x2	300
额定转矩 (Nm) Rated torque	150	172	180	210	300	310	265x2	320x2	450
峰值转矩 (Nm) Peak torque	320	360	380	550	550	600	500x2	520x2	950
额定转速 (rpm) Rated speed	3820	3609	4244	3183	5100	6470	5405	5970	3820
峰值转速 (rpm) Peak speed	12000	12000	12000	10000	11000	12000	12000	11000	11000

矿卡 Mining truck

类别 Classification 参数 Specification	90-136T					150-170T			
	低压主驱电机 LV main drive motor	高压主驱电机 HV main drive motor	增程发电机 Extend-range generator	高速电驱桥 High speed e-axle drive	P2 混动电机 P2 hybrid motor	低压主驱电机 LV main drive motor	高压主驱电机 HV main drive motor	低压主驱电机 LV main drive motor	增程发电机 Extend-range generator
额定电压 (Vdc) Rated voltage	600	800	610	600	560	610	800	650	650
额定功率 (kW) Rated power	250*2	270*2	350	285*2	150	310*2	310*2	400*2	450
峰值功率 (kW) Peak power	400*2	480*2	480	420*2	250	500*2	500*2	600*2	560
额定转矩 (Nm) Rated torque	1330*2	1360*2	2228	600*2	900	1500*2	1500*2	1910*2	2865
峰值转矩 (Nm) Peak torque	2400*2	2400*2	3200	1320*2	1800	3000*2	3000*2	3000*2	3500
额定转速 (rpm) Rated speed	1800	1900	1500	4500	1600	2000	2000	2000	1500
峰值转速 (rpm) Peak speed	3500	3500	2500	11000	3500	3500	3500	3200	2300

新能源工程机械

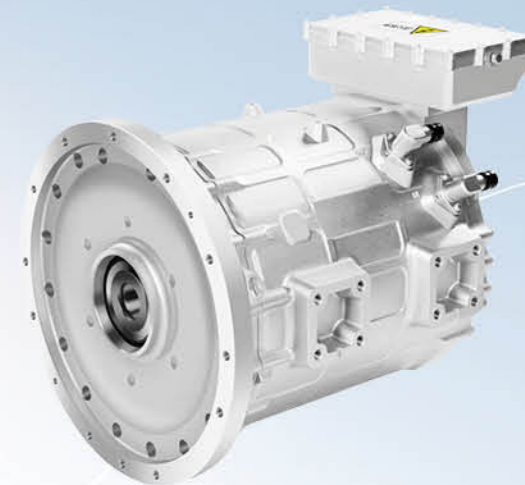
New energy construction machinery

各种工程机械驱动

Various construction machinery drive



挖掘机 Excavator



装载机 Loader



旋挖钻机 Rotary drilling rig



■ 装载机 Loader

类别 Classification	1.8-2T		3-4T		5-6T				7-8T				10T	
	低速行走 Low speed drive motor	低速上装 Low speed auxiliary motor	低速行走 Low speed drive motor	低速上装 Low speed auxiliary motor	低速行走 Low speed drive motor	低速上装 Low speed auxiliary motor	高速行走 High speed drive motor	高速上装 High speed auxiliary motor	低速行走 Low speed drive motor	低速上装 Low speed auxiliary motor	高速行走 High speed drive motor	高速上装 High speed auxiliary motor	高速行走 High speed drive motor	高速上装 High speed auxiliary motor
额定电压 (Vdc) Rated voltage	310-540	310-540	520-618	520-618	540-618	540-618	618	618	540-618	540-618	618	618	618	618
额定功率 (kW) Rated power	35-40	20-25	45-90	30-55	100-140	80-106	70-130	80-106	110-250	105	70-220	160	147	165
峰值功率 (kW) Peak power	65-75	40-50	90-180	65-95	160-260	150-180	140-330	160-180	160-360	180	140-390	260	290	290
额定转矩 (Nm) Rated torque	270-310	90-110	800-950	170-250	1200-1400	385-500	200-500	130-170	1400-1500	500	200-500	250	400	260
峰值扭矩 (Nm) Peak torque	540-640	170-240	1700-1900	365-460	2200-2800	700-1000	635-1250	250-330	2600-3300	1000	430-1250	450	780	460
额定转速 (rpm) Rated speed	1000-1500	2000-2500	550-1000	1700-2000	800-1000	2000	1700-4500	5000-8000	700-1700	2000	2870-4500	6000	3500	6000
峰值转速 (rpm) Peak speed	5000	3000	3200	2500	3500	3000	12000	10000	3500	4000	12000	10000	10000	10000

■ 挖掘机 Excavator

类别 Classification	挖掘机 Excavator							旋挖钻机 Rotary drilling rig			
	5-6T	13-15T	20-30T	30-40T	50T	60T	90-100T	主泵电机 Main pump motor	卷扬电机 Winding motor	动力头电机 Drilling head motor	发电机 Generator
额定电压 (Vdc) Rated voltage	400-540	540-600	540-600	600	600	600	618-869	540-600	540-618	520-600	600
额定功率 (kW) Rated power	44	80-105	115-150	200	250	310	500-620	60-240	75-330	90-120	215
峰值功率 (kW) Peak power	60	150-180	180-250	260	360	450	800-900	120-350	120-400	150-240	350
额定转矩 (Nm) Rated torque	171-210	385-500	600-800	1125	1400	1480	2660-2960	287-1260	477-1500	700-1280	1000
峰值扭矩 (Nm) Peak torque	300-315	850-1000	1100-1500	2400	2800	2800	4800-5600	573-2800	764-2800	1200-2400	2000
额定转速 (rpm) Rated speed	2000-2450	2000	1790-2000	1700	1700	2000	1800-2000	1630-2000	1500-2300	800-1500	2060
峰值转速 (rpm) Peak speed	4150	4000	3500	3300	3000	3500	3500	3500	3600	3500/6000	3000