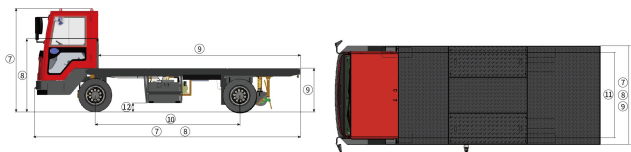


G2 系列/ 15-30 t



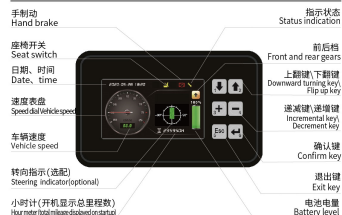
## 充电机技术 Charger technology



- 高效: 大于95%充电效率, 符合节能减排要求。
- 兼容: 48V/80V兼容, 满足不同电压等级需求。
- 安全: 内置防反保护, 具备失效自隔离功能。
- 便捷: 完善的故障自检提示, 方便客户维护。

- High Efficiency: Charging efficiency higher than 95% meeting the requirements of energy saving and emissions reduction.
- Compatibility: 48 v / 80 v compatibility meeting the demand of different voltage levels.
- Safety: Built-in mis-connecting protection offering self isolating function under fault.
- Convenience: Perfect fault self checking alarm facilitating users maintenance.

## 智能仪表 Smart meter



## 能量再生技术

RENEWABLE ENERGY TECHNOLOGIES

交流控制能量再生技术, 使锂电池牵引车更节能, 锂电池单作业循环时间最大延长15%。

With AC type energy regeneration technology, the working hour of single battery shift is 15% increased.

15%

## 技术参数 Technical Parameters

1 型号 Model	单位 Unit	BD150-A2LIG2	BD200-A2LIG2	BD300-A2LIG2
2 驾驶方式 Driving mode		座驾式 Seated	座驾式 Seated	座驾式 Seated
3 载重能力 Load capacity	t	15	20	30
4 自重(含/不含驾驶室) Service weight (with/without cab)	kg	4500/4200	6000/5700	6300/6000
5 空载时前桥负荷 Front-rear tires load without load	kg	2100/2100	3200/2500	3100/2900
6 轮胎 Tire	类型 Type	实心轮胎 Solid tires	实心轮胎 Solid tires	实心轮胎 Solid tires
	规格 Spec	28×9-15	355/50-20	355/50-20
7 外形尺寸: 长×宽×高 (带驾驶室) Overall dimension: L×W×H (with cab)	前轮 Front tire	28×9-15	355/50-20	355/50-20
	后轮 Rear tire	28×9-15	250-15	250-15
8 外形尺寸: 长×宽×高 (不带驾驶室) Overall dimension: L×W×H (without cab)		5520×2050×2170	5665×2400×2310	6315×2400×2310
9 平台尺寸: 长×宽×高 Platform size: L×W×H		5520×2050×1500	5665×2400×1685	6315×2400×1685
10 轴距 Wheelbase	mm	4200×2050×910	4350×2400×1060	5000×2400×1060
11 轮距 Tread	mm	3000	3500	3500
12 最小离地间隙 Min. ground clearance	前轮距 Front tire	1800	2080	2080
	后轮距 Rear tire	1800	1890	1890
13 最小转弯半径 Min. turning radius	mm	150	180	180
14 行驶速度 (带载/空载) Driving speed (with/without load)	km/h	5300	6200	6200
15 爬坡度 (满载) Gradeability (with load)	%	10/15	5/10	5/10
16 行车制动 Driving brake		8	6	5
17 驻车制动 Parking brake		液压制动与电制动 Hydraulic brake and electric brake	液压制动与电制动 Hydraulic brake and electric brake	液压制动与电制动 Hydraulic brake and electric brake
18 驱动方式 Drive mode		机械式 Mechanical	负制动 Negative braking	负制动 Negative braking
19 驱动电机额定功率 Drive motor rated power		后轮驱动 Rear Drive	后轮驱动 Rear Drive	后轮驱动 Rear Drive
20 转向电机额定功率 Steering motor rated power	kW	16.6	17.1x2	17.1x2
21 锂电池 Battery	V/Ah	10	10	10
		80/302 (鹏成PENGCHENG)	80/456 (鹏成PENGCHENG)	80/604 (鹏成PENGCHENG)

标准配置 Standard configuration	选装配置 Optional configuration	锂电池选项 Lithium battery options
智能液晶仪表 Intelligent LCD screen	驾驶室 Cabin	BD150-A2LIG2 80V/280Ah (和鹏成HEDING)
实心轮胎 Solid tire	制箱/制箱 Closed container	80V/456Ah (和鹏成PENGCHENG)
液压转向 Hydraulic steering	用户自选涂装 Customized painting	BD200-A2LIG2 80V/404Ah (和鹏成HEDING)
锂电池 Lithium battery	平台护板 Platform guard bar	BD300-A2LIG2 80V/604Ah (和鹏成HEDING)
LED灯具 LED lamps	非标准尺寸 Non standard table size	
	LED警示灯 Led warning light	



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HELI合力

15-30 t

G2系列锂电池搬运车

G2Series Lithium Battery  
Platform Truck



www.helichina.com



## » 整车简介 Brief Introduction

G2系列15-30吨锂电池搬运车是合力倾力打造的一代环保型搬运车辆，整车造型独特，按照人机工程的原理从美学的角度去融合和升华设计形态，来满足驾驶员乘坐、操作空间、方便性及环保等一系列舒适性方面的要求。

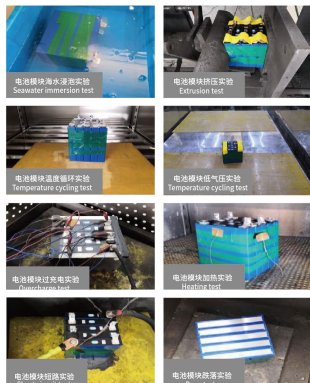
该车型以锂电池组提供动力，采用交流控制系统进行无级调速的电动搬运车。整机高效节能，具有可靠性好，操作舒适，动力强劲等特点。

As the newly designed environmentally friendly tractor machines, HELI G2 Series 15-30 ton Lithium Battery Platform Truck has the unique profiling, ergonomically and aesthetic philosophy combination for operator comfort and ease of use, maintenance convenience.

This machine is powered by Lithium battery, with AC control system to supply the stepless accelerating, high efficiency, reliable quality, comfortable operation, and strong power.

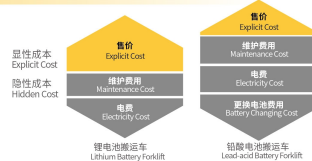
## 锂电池优势 Operating Cost Comparison

- 合力锂电池搬运车的优越性,更突出的体现在生命周期内使用成本上。与铅酸蓄电池搬运车相比,锂电池搬运车适合多班次场合,隐性成本低,整体运营成本更低。
- The superiority of Heli lithium battery forklift truck is embodied in the use-cost within product lifecycle. Compared with lead-acid battery forklift truck, lithium battery forklift truck is more convenient for multiple working shifts. It has lower implicit cost and more economical total running cost.



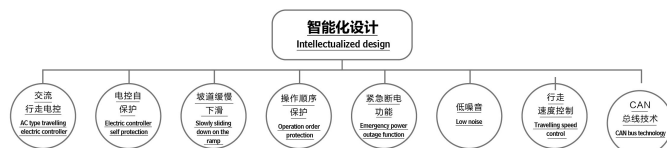
- 合力锂电池搬运车选用经济成熟商用车大批量使用的方形磷酸铁锂电池芯及模组;
- 模组采用铝合金板金框架,牢固、质轻、散热效果好;
- 高效安全: 充放电效率高达98%, 热失控温度600℃以上;
- 低温适应性: 标配电加热功能, 保证低温环境正常工作;
- 长寿命: 正常充放电循环3000次以上或者5年, 容量保持率大于75%;
- 免维护: 电池无需人工维护, 无需加蒸馏水电解液;
- 绿色清洁: 无污染, 零排放。

- The truck selects mature and economical square iron phosphate lithium battery core and module used by large numbers of commercial vehicles;
- The module adopts aluminum alloy plate frame, which is firm, light in weight and has good heat dissipation effect;
- High efficiency and safety: The charging and discharging efficiency is up to 98%, and temperature of thermal runaway is over 600 °C;
- Low temperature adaptability: Standard configuration of heating function ensures normal operation of low temperature environment;
- Long service life: the normal charging and discharging cycles is more than 3000 times or 5 years, and capacity retention rate is more than 75%;
- Maintenance free: the battery does not need manual maintenance and does not need to add distilled water electrolyte;
- Green and clean: no pollution and zero emission.



## 更加优越的智能化设计 Superior intellectualized design

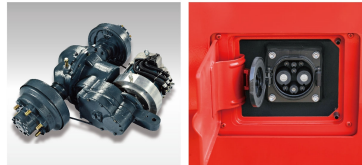
- 更多智能化设计的装备与功能使整车智能, 这不仅保护驾驶员和整车安全, 还提高工作效率, 降低了能耗。
- Superior intellectualized designs not only ensure operator and truck safety but also improve working efficiency, reduce energy consumption.



## 驱动系统 Drive system

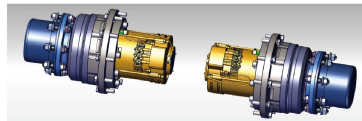
### 15t驱动系统

- 电动机专用驱动桥, 噪音小、无污染、运行平稳, 密封性好。同时具有较大的离地间隙, 保证本车具有良好的通过性
- 传动比大、牵引力大; 爬坡能力强, 性能卓越, 满足路面复杂场合
- Special drive axle for electric machines with low noise, non-pollution, stable running, perfect sealing, and also with enough ground clearance for good trafficability.
- Large gear ratio, powerful traction, strong gradeability, perfect performance, suitable for complex operating condition.



### 20-30t驱动系统

- 20-30吨搬运车采用双驱动力总成, 进口电机+进口轮边减速器, 在提供强劲动力的同时, 进一步提高整车的行驶安全性与稳定性。
- 20-30 ton truck adopt dual drive power, imported motor and imported wheel reducer, while providing strong power, further improve the safety and stability of the truck.



## 转向系统 Steering system

- 本车采用全液压横置油缸转向桥实现前轮转向, 该转向系统具有效率高, 操作轻便, 使用寿命长, 转向灵活轻便等特点
- 前后悬挂采用弹性连接, 整机舒适性好
- With fully-hydraulic Transverse cylinder power steering, easily steering, and long working life.
- Front and rear suspension are with elastic connection for more comfort.

## 操纵系统 Operating system

- 合理的制动踏板、加速踏板的角度及位置, 轻巧的踏板力, 充分满足人机工程要求
- 采用可调式方向盘, 方向盘的位置可前后调节, 以适应不同体形驾驶员操纵的要求
- 具有良好的冷态制动效能, 产生足够的制动力, 使行车制动和驻车制动力性能符合强制性标准的要求

- Comfortable brake/accelerating pedal position with light stepping strength, fully meeting ergonomically demands.
- With front-rear adjustable steering wheel to satisfy different height drivers.
- With excellent cold-brake efficiency, enough brake force, fully meet the parking and driving brake standard.



整车选配: 驾驶室 Optional: Cab

