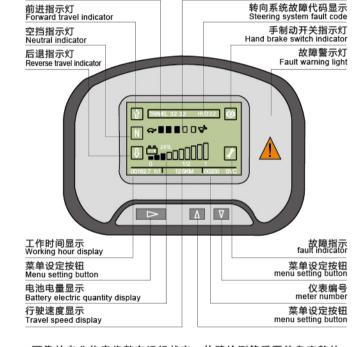




运行速度模式指示

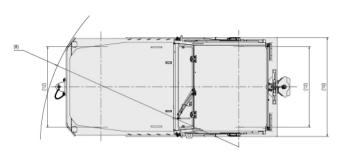
牵引系统故障代码显示 Traction system fault code



- 可靠的专业仪表将整车运行状态、故障检测等重要信息完整的 显示出来,使操作者更直观、方便地了解车辆状态。
- Truck working condition can be known directly and easily through reliable meter displaying important information such as truck working condition, fault and so on.

合力锂电池牵引车的优越性,更突出的体现在生命周期内使用 成本上。与铅酸蓄电池牵引车相比,锂电池牵引车适合多班次 场合,隐性成本低,整体运营成本更经济。

The superiority of HELI lithium battery truck is embodied in the use-cost within product lifecycle. Compared with lead-acid battery truck, lithium battery truck is more convenient for multiple working shifts. It has lower implicit cost and more economical total running cost.



>>> G2系列20~30t锂电池牵引车获航空地面设备检测合格证



≫ 充电机技术 Charger technology

- 大于95%充电效率,符合节能减排要求。
- 大电流快充,减少充电等待时间。
- 48V/80V兼容,满足不同电压等级需求。
- 内置防反保护,具备失效自隔离功能。 完善的故障自检测提示,方便客户维护。
- Charging efficiency higher than 95% meeting the
- requirements of energy saving and emissions reduction.
- High current fast charge reduce charging period. Compatibility 48 v / 80 v compatibility meeting the demand of
- different voltage levels.
- Built-in mis-connecting protection offering self isolating function under fault. Perfect fault self checking alarm facilitating users

隐性成本 Hidden Cost

售价 Explicit Cost 维护费用

锂电池电动牵引车 Lithium Battery Tractor

售价 Explicit Cost 维护费用 电费 Electricity Con 更换电池费用

铅酸电池电动牵引车 Lead-acid Battery Tractor



3670/3460

QYD250-A1Li

坐式 seated

25

14

29

13/26

5/30

3230x1425x1980

1990

1160

1160

3000

150

425

6.50-10-10PR

28x9-15-14PR

液压助力制动 Hydraulic power assisted brak

机械制动 Mechanical brake

后轮驱动 Rear drive

28.7 (AC)

1.35

电子无极式 Electronic stepless mode

< 70

Rearview mirror

Moon white paint

(QYD200-A1LI)

(OYD250/300-A1LI)

锂电池选项 Lithium battery options

80V/500Ah (中盐 CNSG HONG SIFANG)

80V/600Ah (中盐 CNSG HONG SIFANG)

Pneumatic tire

月白色油漆

充气轮胎

80/606

615



QYD300-A1Li

30

11/26

4/30

80/813

720



20-30 t

G2系列锂电池牵引车

G2 series lithium battery tractor





安徽合力股份有限公司

邮编 (Post Code) / 230000

技术参数 Technical parameter

Reated towing weight 自重,含驾驶室/不含驾驶室

Service weight Including cab /Excluding cab

外形尺寸(含后牵引座和驾驶室): 长x宽x高

单位 Unit

Т

kg

kΝ

kN

km/h

%

mm

mm

mm

mm

mm

mm

kW

kW

V/Ah

kg

dB

液晶组合仪表

lithium hattery

带自锁牵引机构

锂电池

后工作大灯 Rear work headlights

警示灯

Liquid crystal combined instrument

Self locking traction mechanism

QYD200-A1Li

20

3590/3380

14/26

6/30

项目Item

驾驶方式

额定牵引重量

额定牵引力 Reated traction force

行驶速度(满载/空载)

爬坡能力(满载/空载)

最大牵引力 Max. traction force

轴距 Wheelbase

最小转弯半径 Min. steering rad

最小离地间隙 Min. ground clea

牵引挂钩高度

行车制动

Service brake 停车制动

Parking brake

驱动电机功率

转向电机功率

电池电压/容量

电池重量

双腔双回路制动

前后桥减震悬挂

集成驱动电桥

Integrated drive bridge

23

Battery weigh

行驶控制方式

驾驶员耳边噪音

Double chamber dual loop brak

Battery voltage/capacit

标准配置 Standard configurations

选项配置 Option configuration

全封闭前推窗驾驶室 Fully enclosed front window driving cab

Suspension bridge with front and rear suspension

驱动方式

Traction hook height

ground clearance

后轮

轮距 Tread

车型 Model

地址 / 中国 合肥方兴大道668号 Add / No.668, FangXing Road, Hefei, China

客服热线 (Customer Service Hotline) / 4001-600761 服务电话 (Service Tel) / +86-551-63689667,63689674,63689676 邮箱(Web site) / heliqyc@helichina.com

前牵引座 Front traction base

用户自选涂装

www.helichina.com

^{*}本公司保留更改产品设计和规格的权力、恕不另行通知。

^{*} Our products are subject to improvements and changes without notice.

G2 SERIES 20-30 t



整车简介
Brief introduction

G2系列20~30t锂电池牵引车是我公司开发的一款新能源环保型牵引车辆, 具有低噪音、无污染、牵引力大、操作简便、造型新颖、转向轻便灵活、操 作舒适安全、性能稳定可靠、维护保养方便、四轮制动(双腔双回路制 动)、转弯自动减速、便捷式牵引销操纵机构等优点。

应用领域: QYD200/250/300锂电池牵引车属于区域物流技术领域。是机场、国防、铁道、邮政、制造业、医药、烟草、物流等系统内牵引货物用的理想车辆。

G2 series 20-30t lithium battery tractor is a new energy and

environmental protection traction vehicle developed by our company. It has low noise, no pollution, large traction force, simple operation, novel shape, light and flexible steering, comfortable and safe operation, stable performance and reliability, convenient maintenance, double-chamber double-circuit braking, automatic deceleration of turning, Convenient traction pin control mechanism and so on.

Application area: QYD200/250/300 lithium battery tractor belongs to the regional logistics technology field. It is an ideal vehicle for traction of goods in airport, national defense, railway, postal, manufacturing, pharmaceutical, tobacco, logistics and other systems.









驱动系统 Drive system

- 驱动桥采用交流电桥(含交流电机、湿式多盘制动器、减速器及差速器)结构紧凑,传动平稳,噪音低,使本车具有良好的动力性、通过性。驱动桥结构便于拆装和调整,具有良好的维修性。
- The driving axle adopts AC bridge (including AC motor, wet multi-disc brake, reducer and differential) with compact structure, stable transmission and low noise, so that the car has good power performance and trafficability. The drive axle structure is easy to disassemble and adjust, and has good maintainability.



制动系统 Braking system

- 行车制动(双腔双回路制动)通过前轮盘式、后轮湿式制动器,液压制动作用于前、后轮;
- 停车制动通过湿式制动器,采用拉索作用于后轮。
- The driving brake (double chamber and double circuit brake) passes through the front wheel disc type and the rear wheel wet brake, and the hydraulic brake acts on the front and rear wheels.
- The parking brake is operated through a wet brake and the cable is applied to the rear wheel. Braking system is safer and more reliable.

电气系统 Electrical system

- 采用进口控制器,性能可靠,调速性能好;
- 采用锂电控制系统,交流系统再生能量回收率高,高达15%左右,蓄电池与控制系统之间通过CAN总线通讯,保证蓄电池的安全使用,免维护,安全性好,使用寿命长。
- With imported controller, the tractor has excellent speed regulation and reliable performance.
- Adopt lithium battery control system, the regenerative energy recovery rate of AC system is high, up to15%.
 The communication between the battery and the control system is through CAN bus to ensure the safe use of the battery, maintenance-free, safe and long service life.



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,这不仅保护驾驶者和整车安全,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.

转向系统 Steering system

- 采用全液压横置油缸动力转向桥实现前轮转向。该转向系统具有效率高,操纵轻便,使用寿命长的特点;
- 前、后悬挂减震装置,使得整机更加具有良好的平稳性。
- Adopt the full hydraulic transverse oil cylinder power steering bridge to realize the front wheel steering. The steering system has the characteristics of high efficiency, easy operation and long service life.
- The front and rear suspension shock absorbers make the whole machine more stable.

车身系统 Body system

- 外观造型刚劲有力, 最小离地间隙150mm,符合民航MH/T6048标准,通过性好;
- 驾驶员坐在座椅上可以直接观察到牵引座:
- 全框架的驾驶室具有足够的强度,室内宽敞且视野良好,可以实现全方位的观察(选项配置)。
- The outward appearance is strong and powerful, and the minimum ground clearance 150mm is in line with the civil aviation MH/T6048 standard.
- The driver can observe the traction seat directly on the seat.
- The full-frame cab is strong enough, the interior is spacious and the field of view is good, and it can realize all-round observation (option configuration).

坡道缓慢

下滑

Slowly sliding down on the

低噪音

Low noise

总线技术

CAN bus technology

行走

速度控制

Travelling speed

交流 行走电控

AC type travelling

紧急断电

功能

Emergency power

Intellectualized

电控自

保护

Electric controller

self protection

操作顺序

保护

Operation order

protection

可双点操作的带自锁及导引功能的操纵牵引销机构

Two point operation control and traction mechanism with self locking and guiding function

- 驾驶室内外即可实现拖车的脱、挂动作,操纵方便、效率高;自锁功能有效避免误操作或行车颠簸时导致拖车脱销隐患,安全性高。
- It is easy to operate and has high efficiency, and the self-locking function can effectively avoid the hidden danger of the trailer running out when it is misoperated or bumpy.

锂电池主要优势 The main advantages of lithium batteries are

更环保: 锂电池在制造、使用以及废弃过程都没有重金属污染;

免维护: 无需加水, 无滴漏腐蚀等污染;

长寿命: 五年超长质保,在正常充放电条件下,循环2000次时,容量衰减率低于10%,循环4000次时,容量衰减率低于25%;

高效率: 锂电池充放电效率超过90%;

大倍率充放电: 锂电具有最大2C充电及最大5C倍率放电能力,锂电池可采用快充的模式,利用休息时间进行充电;

无记忆效应: 电池无论处于什么样的状态下,可随充随用,无须考虑蓄电池的放完再充电;

低温高效: 在冷库环境下,锂电池具有良好的性能表现。

More environmental protection: lithium batteries are not polluted by heavy metals in manufacturing, using and discarding processes. Maintenance free: no need to add water, no leakage, corrosion and other pollution;

Long life: five-year ultra-long quality assurance, under normal charging and discharging conditions, the capacity attenuation rate is less than 10% for 2000 cycles, and less than 25% for 4000 cycles.

High efficiency: lithium battery charge and discharge efficiency of more than 90%;

Large rate charge and discharge: Lithium battery has the maximum 2C charge and 5C rate discharge capacity. Lithium battery can be charged by fast charge mode and recharged by rest time.

Memory-free effect: the battery can be charged and recharged at any state without considering the recharge of the battery. Low temperature and high efficiency: lithium battery has good performance in cold storage environment.