

HNL50EL电动装载机

HNL50EL Electric Loader

50电装创新点 Innovations

- 1、自主研发基于变转速的定变量正流量控制系统，按需供给，节能高效；
- 2、多电机协调控制，电机负载合理匹配，优化能量管理，高效运行；分时工作，自动怠速停机，减少电机、泵空转能耗。
- 3、618V高压解决方案，降低电流；高效永磁同步电机，智能变转速控制，发热量极低；
- 4、对各种负值负载进行再生发电，基于动力锂电池能量回收，提高整机能源利用率；
- 5、合理的热平衡管理、完善的整车监控系统和高配的动力器件，保证整车工作寿命；
- 6、自主研发手动/自动换挡控制策略，行驶平稳，换挡顺畅，动力强劲。



- 1.Independently developed special load positive flow control system with variable speed, Global power matching, on-demand oil supply, reducing throttling and overflow loss.
- 2.Multi-motor coordinated control, reasonable matching of motor load, optimized energy management, efficient operation; time-sharing, automatic idle stop, reducing energy consumption of the motor and pump at idle.
- 3.618V high voltage solution, reducing electric current; high efficiency permanent magnet synchronous motor, intelligent door drives variable speed control, low heat generation, 20% energy saved than asynchronous motor.
- 4.All kinds of negative load are regenerated for power generation, and the energy utilization rate of the whole machine is improved based on the energy recovery of power lithium battery;
- 5.Renewable power generation for various negative loads, energy recover based on power lithium batteries, improving energy efficiency of the whole machine.
- 6.Independent research and development of manual / automatic shift control strategy provides smooth driving, smooth shifting and strong power.

产品特色 Features

- 零排放、零污染、低噪声。

- Zero emission, zero pollution, low noise.

- 电池安全性高，解决自燃/爆燃风险。

- High battery safety, no risk of spontaneous combustion / deflagration

- 使用成本低。纯电动工程机械用电成本大约为传统工程机械油耗费用的30%。

- Low use cost. The electricity consumption cost of pure electric construction machinery is about 30% of the fuel cost of traditional construction machinery.

- 电池达到8年以上使用寿命，所用磷酸铁锂电池1C循环寿命在4000次以上。

- The lifespan of the battery is more than 8-year. The recycle lifespan of lithium iron phosphate battery under 1C is more than 4000 times.

- 维护成本低。不需要对柴油机进行定期保养，如更换机油、三滤等。

- Low maintenance cost. No need for regular maintenance for the diesel engine, such as replacing the engine oil and three filters, etc.

- 优化能量管理，出色的能量利用效率和续航力，配合大容量锂电池，充满电连续作业7-9小时。

- Optimized energy management, excellent energy utilization efficiency and endurance, together with high-volume lithium iron phosphate battery, 7 to 9 working hours after full-charging can be guaranteed with large capacity lithium battery.