

FreeHoist

A wireless electric hoist that could double efficiency



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1 Introduction



Freehoist

Aviation aluminum alloy shell, compact structure, light weight , purely driven by batteries, without connecting power sources and console, it is convenient to operate multiple devices with app. on mobile phone, greatly improving efficiency of installation.

2 Features



Industry pain points

Messy venue
Taking much time and personnel cost
Existing security threat

乱
低效
不安全
难标准化

烦

Mode Energy

One piece battery can support 144meter round trip of FREEHOIST with a load of 800KG

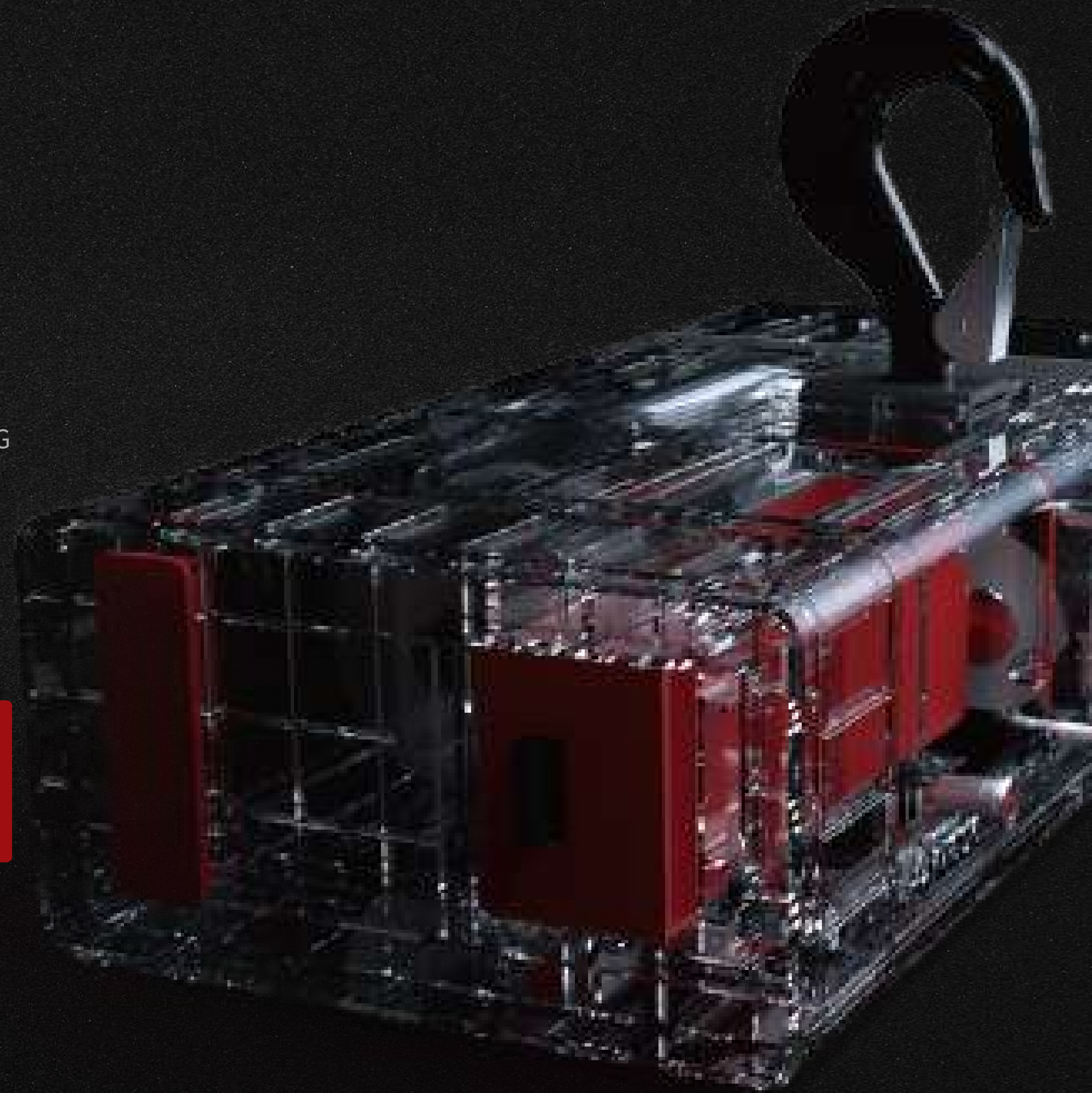
Battery driven without power resource

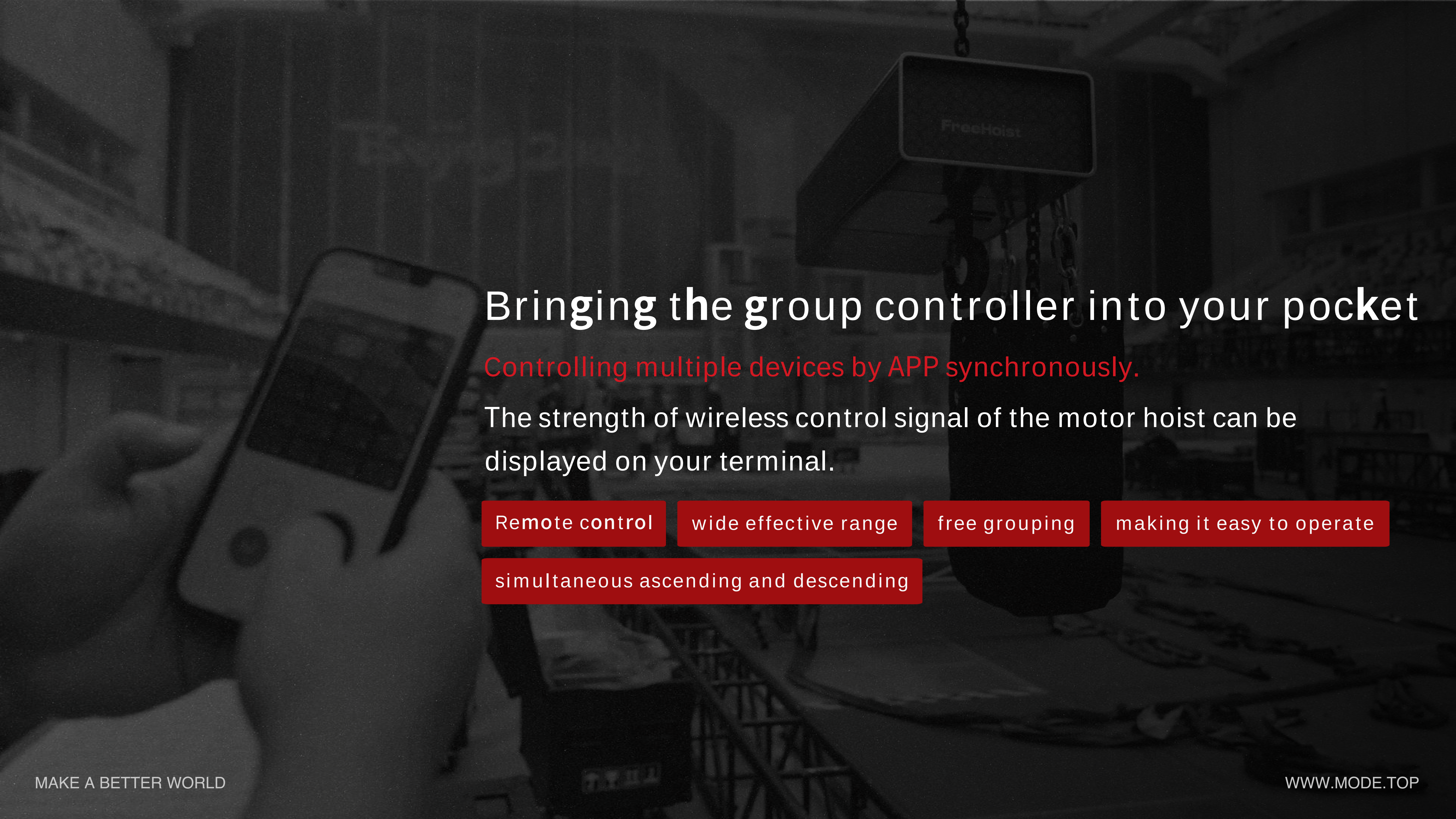
Battery driven without power resource

5000mAh
capacity

168hours
ultra long standby time

29kg
net weight





Bringing the group controller into your pocket

Controlling multiple devices by APP synchronously.

The strength of wireless control signal of the motor hoist can be displayed on your terminal.

Remote control

wide effective range

free grouping

making it easy to operate

simultaneous ascending and descending

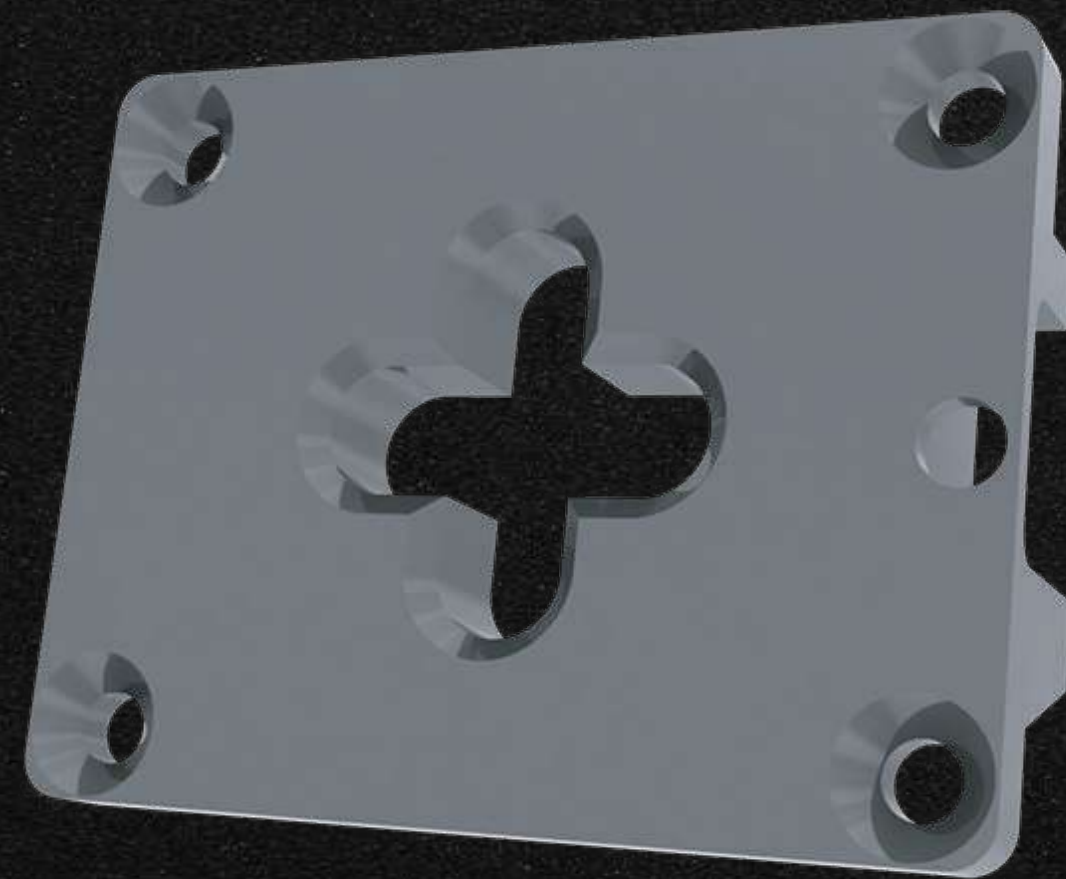


Aviation aluminum shell solid structure and light weight

classic styling design, olive gray color, wonderful heat dissipation



- 29KG ● IP65 protection degree
- Aviation aluminum shell, solid structure and light weight



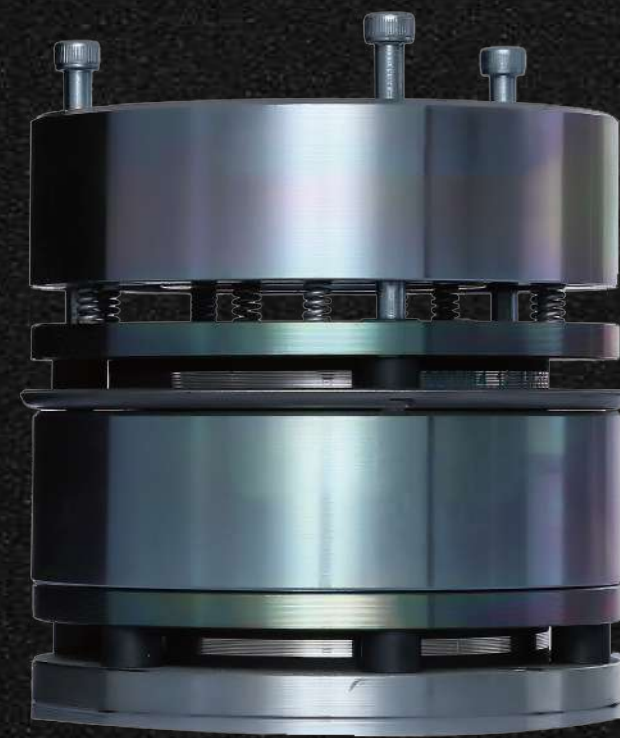
Electronic limit switch

Adjustable upper and lower limit switch device, with precise and micro-switch used for limit switch. When the chain reaches the limit position, the motor hoist will cut off power automatically to ensure the safety of the motor hoist and payload.

Chain guard with angle of 45 degree without chain stuck.

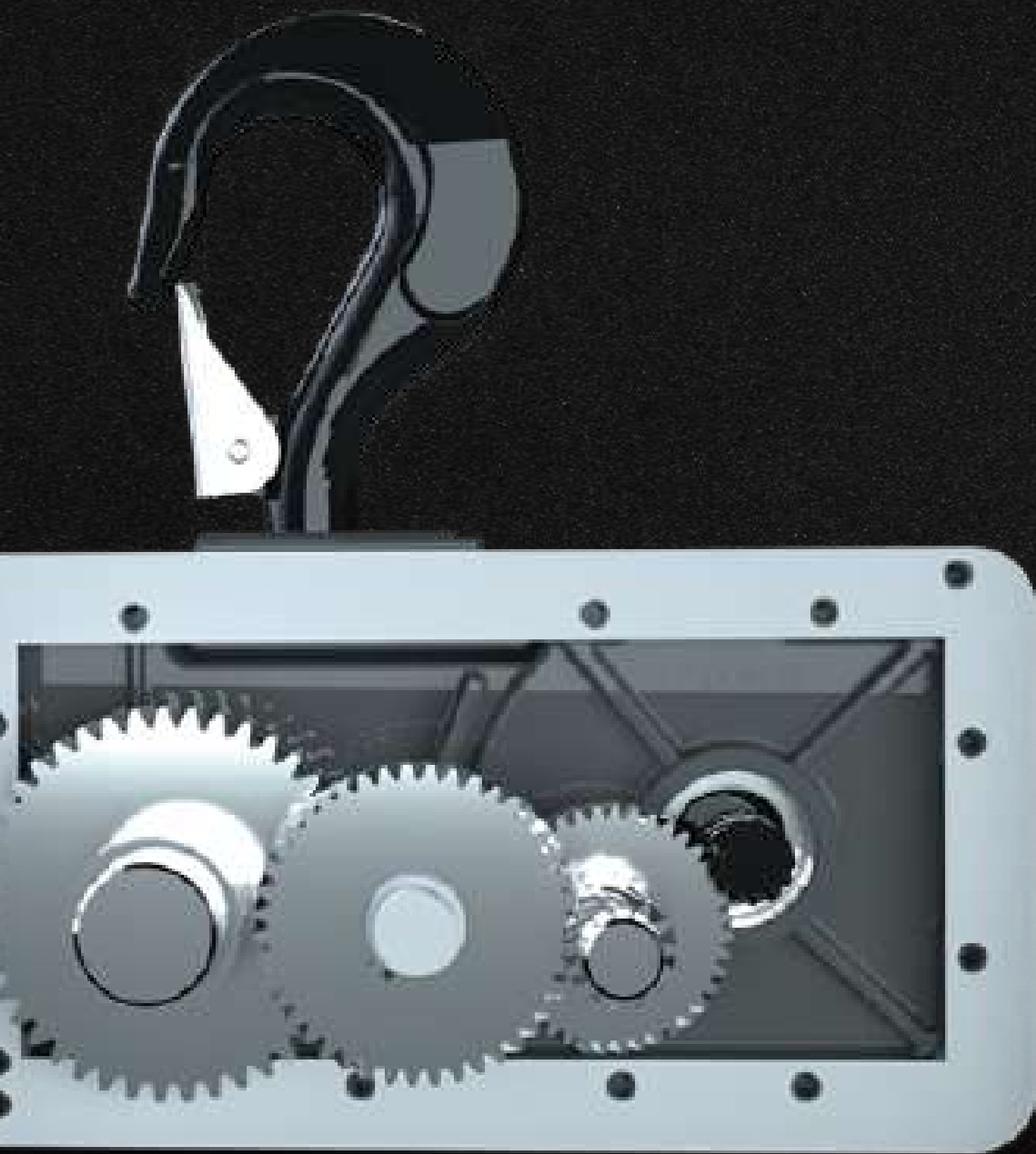
After twice upgrading, chain guard with angle of 45 degree can reduce the possibility of chain stuck.





Maintenance-free electromagnetic dual braking system

Dual electromagnetic brakes, synchronized and independent of one another, reduce possibility of brake failure and increase hoist safety and stability.



Mode digital motor combined with fine grinding
noise reduction gear

Constant torque

low heat generation

Low noise

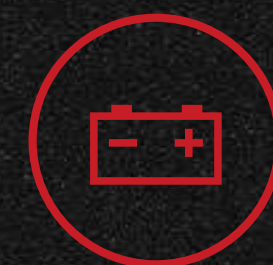
Accurate speed control



Mode energy management system



Seven major protections for



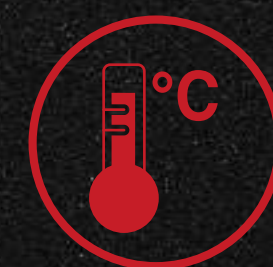
charging and discharging



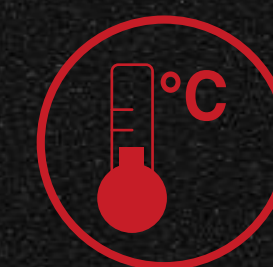
under voltage



over current



high temperature



low temperature



over discharging



short circuit

3 Parameters



Material of shell: 3.5m/min	
Dimensions: 510 × 140 × 257 (mm)	
Battery capacity: 50000mAh Power Battery	Battery specifications:36V/180Wh
Net Weight: 29Kg	safety factor: 7 times
Rated payload: 1000Kg	
Rising speed: 3.5m/min	Falling speed:2m/min
Length of chain: 20M (Optional other lengths)	Chain breaking force:7.2t imes
Limit switch: Up/down electronic limit	Noise:53 DB
Brakes : Maintenance-free electromagnetic brake	Protection degree:IP65
Standby time : 168 Hours	Time duration for 800KG (144m round trip)
WIFI : standard configuration	Wireless spectrum: 2.4 GHz