Smart Spider Powered Ascender

MODE

Fast Charging | **Longer working life**

POWERFUL MOTOR

APP CONTROL

CHANGEABLE SPEED CONTROL

FAST CHARGING

MULTIPLE APPLICATION SCENARIOS

SUPER DURABLE OUTER CASE

Application scenarios

Multi core function

Height access	Wind turbine/blade maintenance
Power overhaul	Rescue & search
Bridge examine	Skyscraper maintain

Building exterior wall repairing

Building façade cleaning

Stage construction
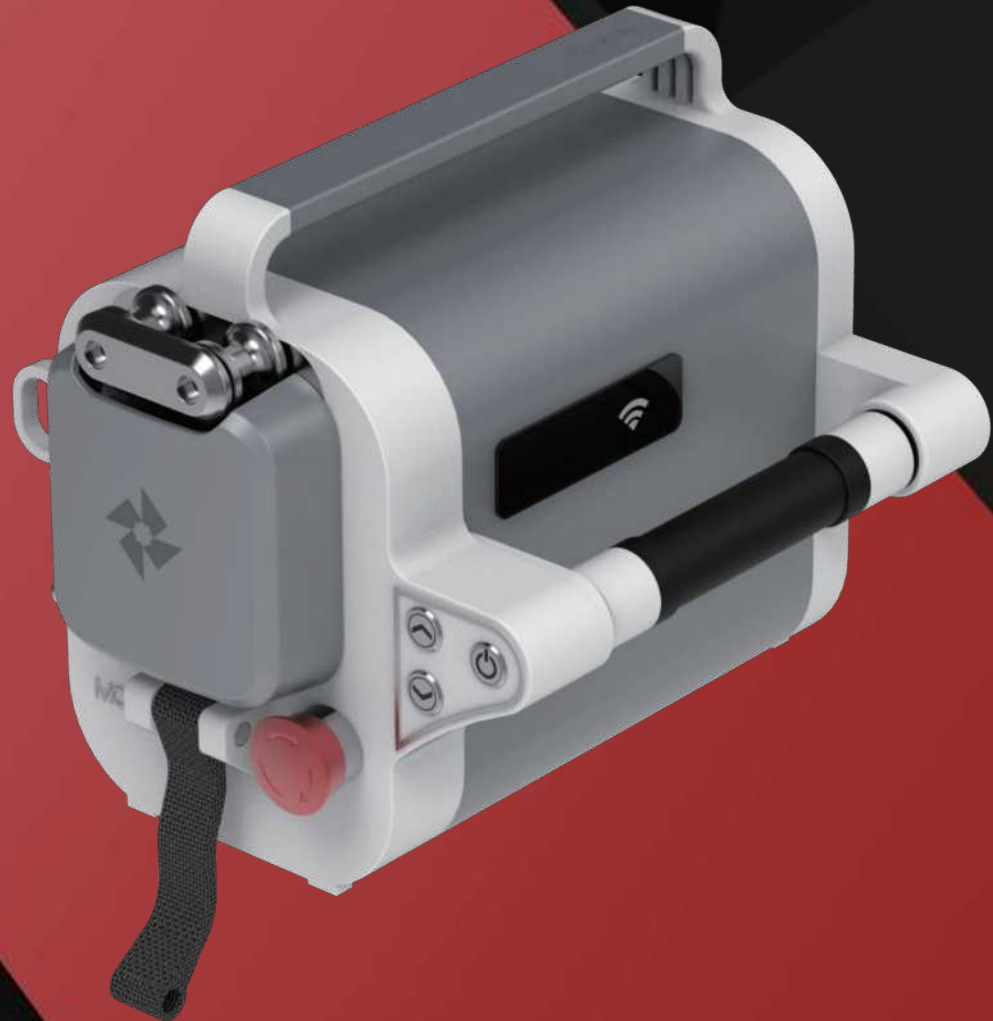
Offshore service

Industrial service

Tree maintenance

Light alloy material cover
Hard-wearing
durable life

Aerospace light alloy material manufactured

safety & comfortable to use

Smooth feeling

14.3KG WEIGHT

MODE ENERGY BLOCK

Self-developed Mode energy power management system

- Power charge and discharge protection

- Undervoltage, over current, over discharge, short circuit protection

- High temperature and low temperature active protection function

200KG
MAXIMUM LOADING
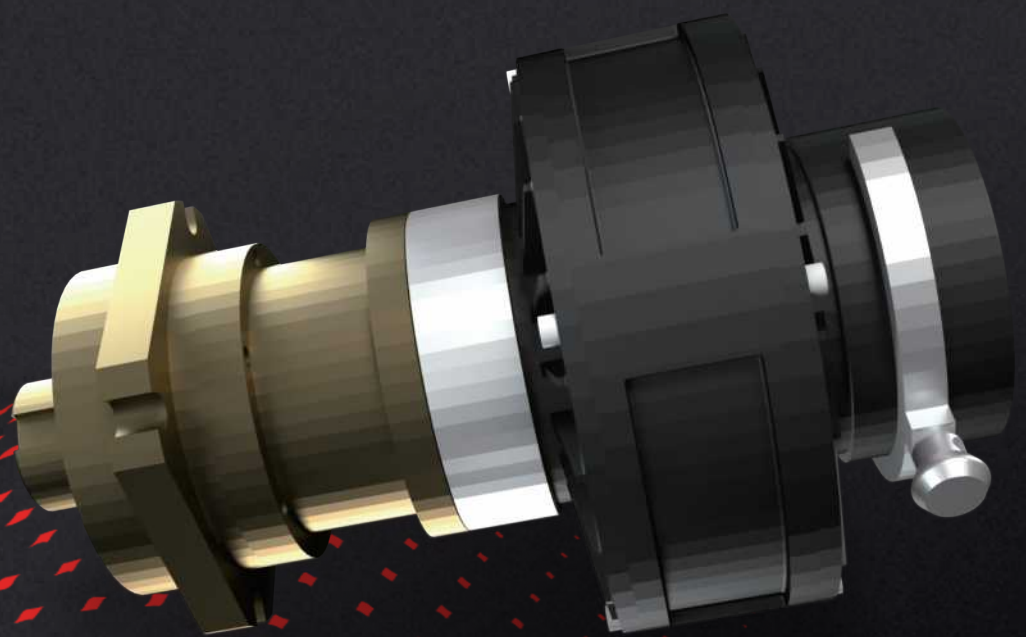
330M
MAXIMUM CLIMBING DISTANCE

POWER GENERATE SYSTEM

Mode permanent magnet motor with multi-level planetary gear transmission mechanism

Powerful Motor brings the constant torque, low heat, accurate speed control

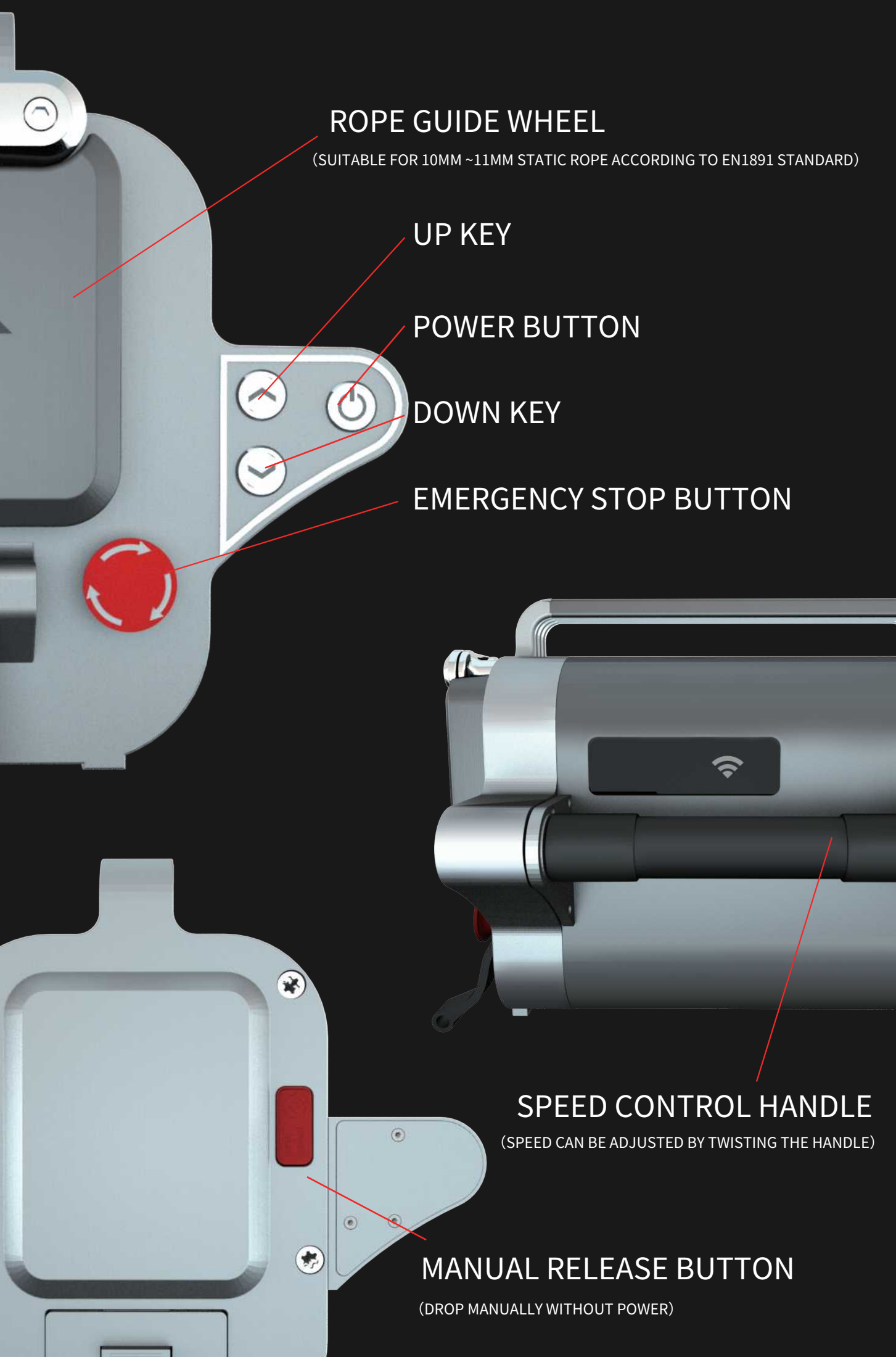multi-stage planetary gear brings the large speed ratio in small volume, high pulling torque

ONE KEY UP-DOWN EMERGENCY STOP

- Stepless speed control handle

- Multi-point connection for anti-falling harness or holding stuffs

- hot swapped power battery

- wireless wifi control module, max distance 100 meters

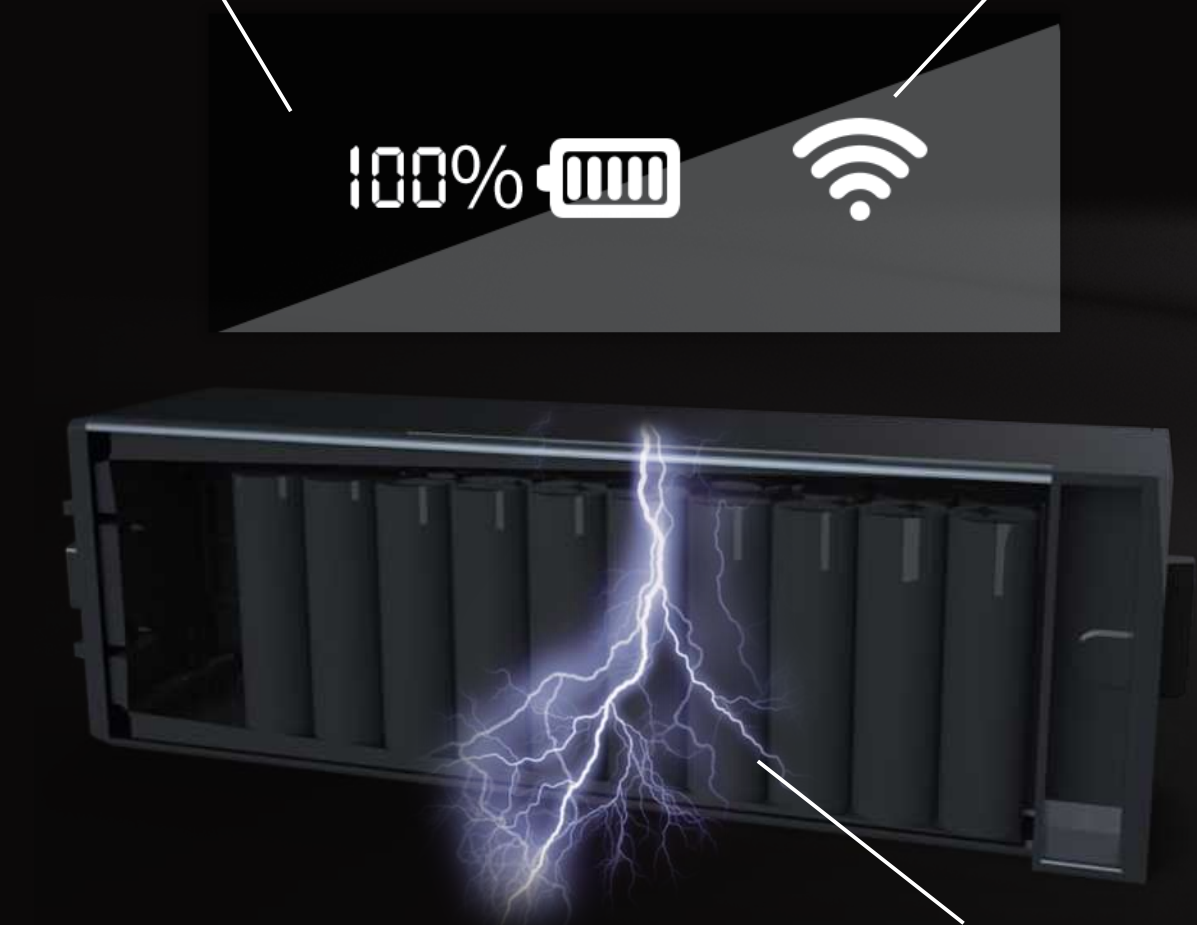- easy & fast rope installing and replacing

ROPE GUIDE WHEEL

（SUITABLE FOR 10MM ~11MM STATIC ROPE ACCORDING TO EN1891 STANDARD）

UP KEY

POWER BUTTON

DOWN KEY

EMERGENCY STOP BUTTON

SPEED CONTROL HANDLE

（SPEED CAN BE ADJUSTED BY TWISTING THE HANDLE）

MANUAL RELEASE BUTTON

（DROP MANUALLY WITHOUT POWER）

BATTERY CAPACITY DISPLAY　　　WIFI SIGNAL

（LED SCREEN HIGHLIGHT）

100%

POWER BATTERY

5000 MAH

（IEC62133-2017 CERTIFICATION）

CONSTANT SPEED MOTOR

（1000W POWER, LOAD UP TO 200KG1000W POWER, LOAD UP TO 200KG）

FUNCTION INTRODUCTION AND USE METHOD

PRODUCT PARAMETERS SMART SPIDER PRO

APPEARANCE MATERIAL DURABLE AVIATION ALLUMINUM	**APPEARANCE SIZE** 330*265*267(MM)	**BODY WEIGHT** 14.3KG (INCLUDE BATTERY)
BATTERY 5000MAH POWER BATTERY (HOT SWAPPED)	**VOLTAGE** 36V	**MAXIMUM OPERATION TIME** 15MIN (FULL LOADING)
POWER 1000W	**MAX LOADING** 200KG	**VARIABLE SPEED CONTROL** ASCENDING 0M/MIN~20M/MIN DESCENDING 0M/MIN~37M/MIN
RUNNING DISTANCE (SINGLE BATTERY) 330M (120KG LOADING)	**EMERGENCY DESCENDING WHEN POWER OFF** HAVE	**EMERGENCY STOP** HAVE
OPERATING TEMPERATURE -20°C~+50°C	**PROTECTION GRADE** IP54	**STANDARD SAFETY BUCKLE** D-SAFETY BUCKLE
WIFI STANDARD	**WIFI MAX DISTANCE** 100M	**CHARGER** SINGLE CHARGER*1 OR CHOOSE ONE CHARGING STATION ONE TO TEN

ROPE SUGGESTED
EN1891 STANDARD, STATIC ROPE, WIRE DIAMETER 10MM-11MM, DUCTILITY SHALL NOT
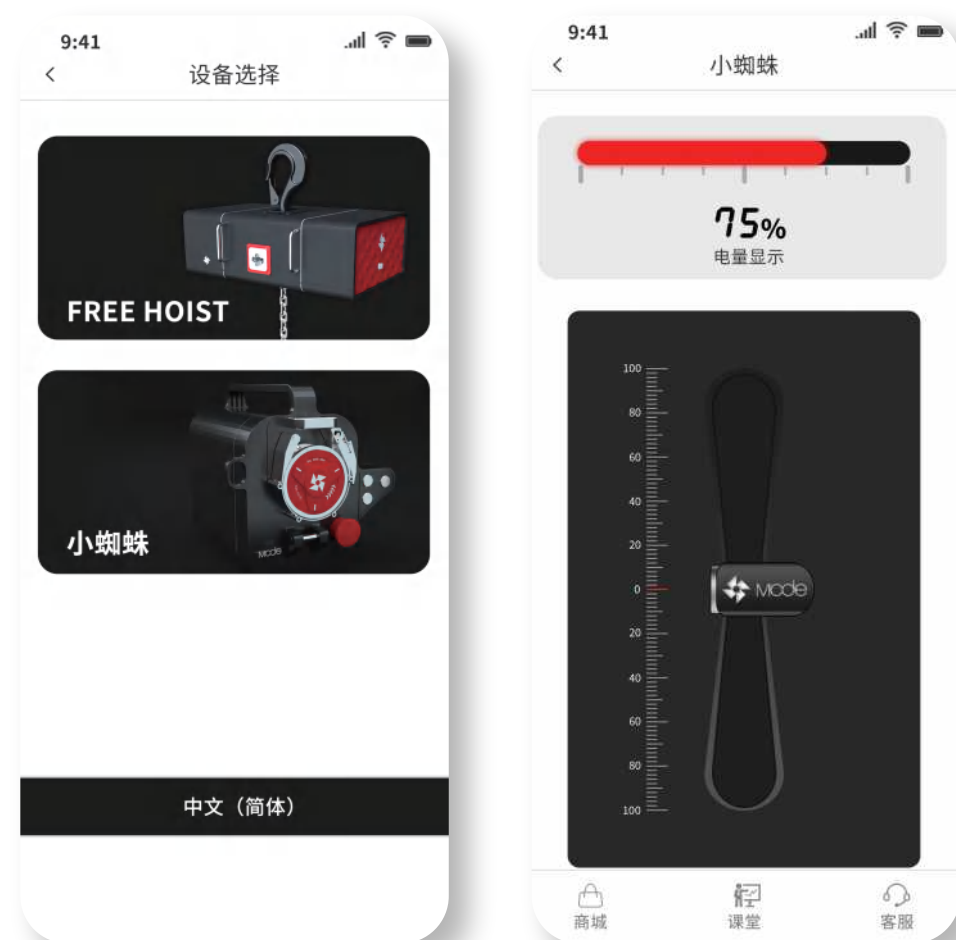
EXCEED 4%

TACTICAL STYLE

INNOVATION IN POWER ASCENDER

APP CONTROL SYSTEM

Through the Mode APP, you can control the ascender in real time, and monitor the rise and fall of the ascender , as well as the electric capacity situation
The Mode App include store, training class, customer service, by which you can easily purchase accessories, watch tutorials, etc.. If there is still problems you can not solve, you can also contact the sales through **adsales@modehoist.com** directly.

SMART SPIDER PRO

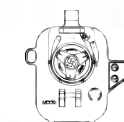| APP CONTROL	THE BATTERY MODULE	WIFI LINK	ALUMINIUM ALLOY BODY
CONVENIENT AND EFFICIENT	GET RID OF THE POWER CORD	GET RID OF SIGNAL LINE	EFFECTIVE PROTECTION OF THE INTERIOR