

DESTRA

3S LIFT
SAFE | SIMPLE | SPECIALIZED

BATTERY LADDER HOIST

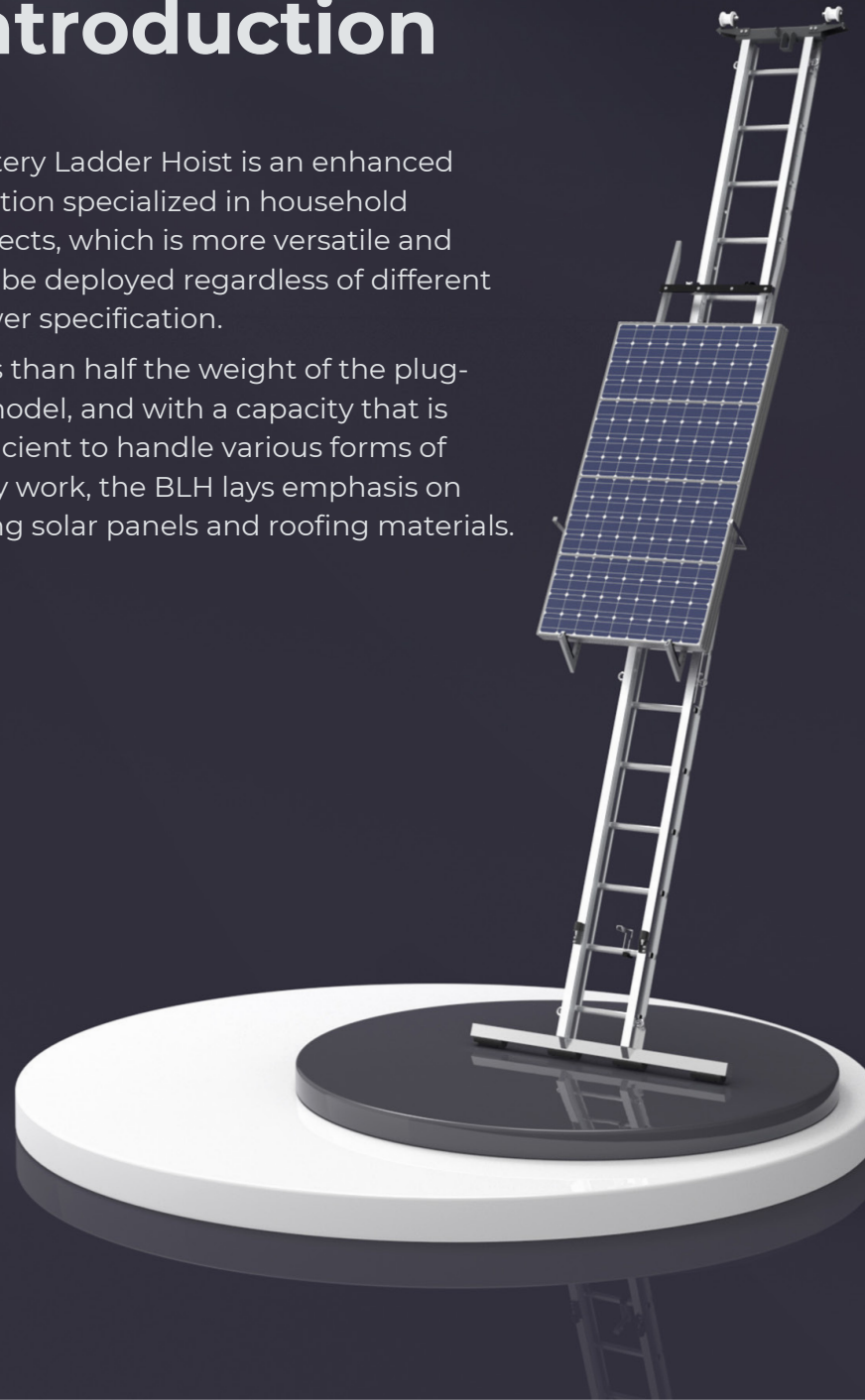
Material handling has never been easier

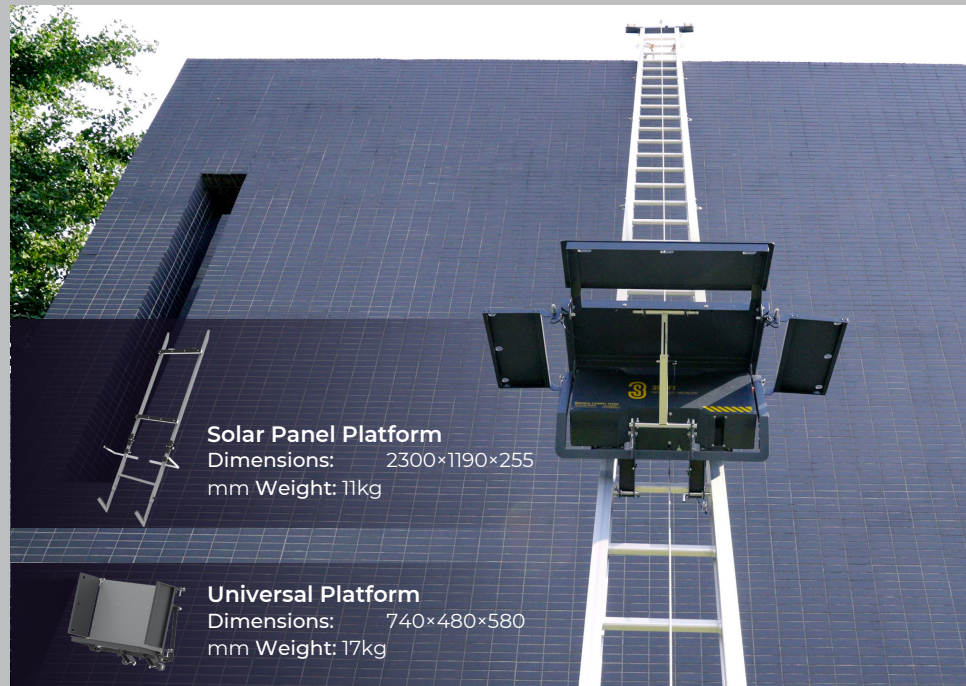


Introduction

Battery Ladder Hoist is an enhanced solution specialized in household projects, which is more versatile and can be deployed regardless of different power specification.

Less than half the weight of the plug-in model, and with a capacity that is sufficient to handle various forms of daily work, the BLH lays emphasis on lifting solar panels and roofing materials.





Specifications

Battery Model	MH04L120
Power supply	550 W
Battery Voltage	2 pcs *18 V/5 Ah or 20 V/8 Ah
Rated load	120 kg (265 lbs)
Max. lifting height	10 m (33 ft)
Lifting speed	15 m/min (49 ft/min)
Wire rope diameter	5 mm (1/5 inch), Stainless
Waterproof	Steel IP54
Over load detection	Current overload



Structure



01

Head section

Installed with top limit, hook attachment point and top wheels, the head section is intended to limit the travel of the drive unit, fix the wire rope, and restrict the movement of the drive unit and the platforms.

02

Rail section

Made of aluminium alloy, the rails are of different length and types including 0.84 m/1.4 m/1.96 m standard section, 2.24 m adjustable section, and 4.5 m foldable section, all comply to EN131 & ANSI A14.2.

03

Drive unit

550 W drive unit that can be loaded with 2 pcs of 5 Ah, 18 V batteries. Thanks to its overload detection, power outage self-locking function, lower power protection and emergency brake mechanism, the unit can safely carry goods while traveling.

04

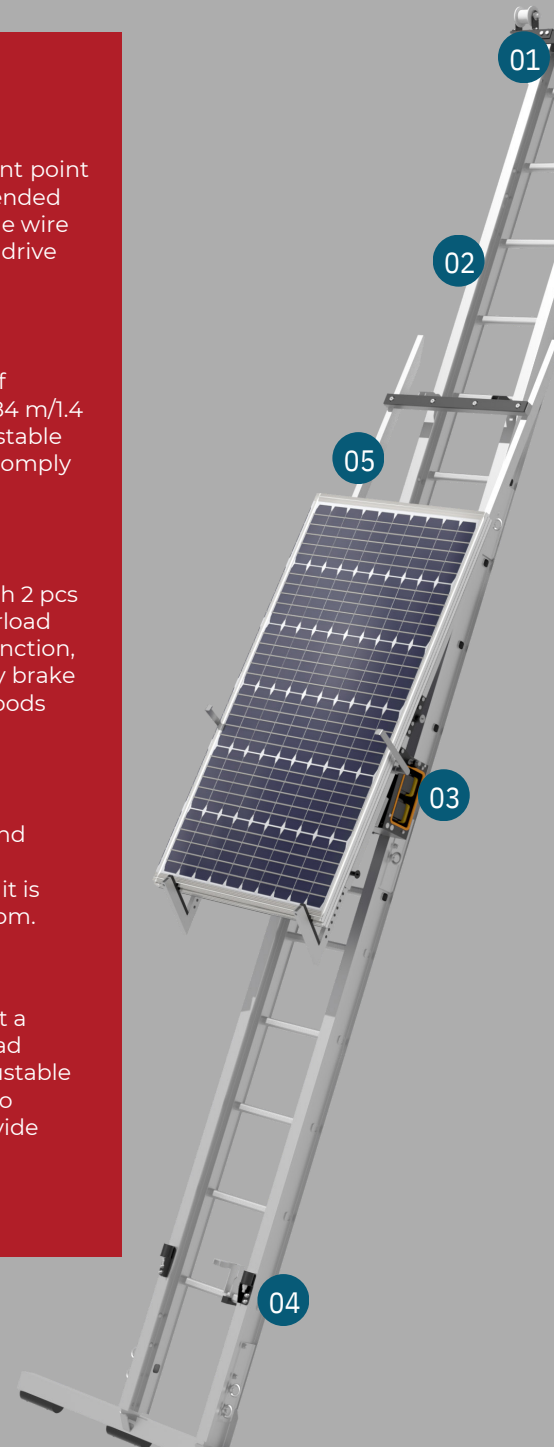
Bottom section

Installed with bottom limit, bumpers, and stabilizer (ground foot) to help restrict movement and help maintain balance, it is also where the drive unit is mounted from.

05

Solar panel platform

The platform can lift 4-5 pcs of panels at a time, and automatically tilt over the head section for users' convenience. The adjustable side brackets and bottom fork allow it to fit different size of solar panels and provide additional protection





Key Features

Multi-purpose

The solar panel platform flips over the head section steadily so workers may remove the solar panels safely from the top. Furthermore, a wider variety of materials might be lifted by the universal platform, which can be unfolded and adjusted to horizontal.

Portability

The overall weight of a 10 m package is about 100 kg and none of the components exceed the limit of manual handling, which makes it portable and manageable.

Durability

Over 40 cycles (10 m) fully loaded (120 kg/265 lbs) per charge, batteries will partially recharge during descent process.

Easy installation

It takes two people 2.5 minutes to assemble 10 m guide rail and 5 minutes to put it in place.

Climbable Design

The guide rail complies with EN131 and ANSI A14.2, which is suitable for climbing.

Material

All metal design while ensuring the entire unit is light enough.

Power Supply

Powered by 2 pcs of 18 V, 5 Ah/6 Ah batteries, can be deployed regardless of the local power supply.

Low Battery Protection

The indicator light flashes when the battery power is below 15%, and the drive unit can only descend when the power is lower than 10%. the battery level can also be monitored through the wireless remote control.

Fall Protection

The driving unit will instantly lock on the guide rail if the power goes off, or in the case that the wire rope should break or loosen.

Overload Protection

The drive unit will stop working if the load exceeds 30% of the rated load, and restart after removing the excess load.



After-sale service



Warranty

2 year

Maintenance

Just need to inspect before using and replace the wearing parts regularly according to the instruction in the manual. We provide sufficient spare parts supply around the world through our subsidiaries and distributors.

Professional global service capability

- 365 d x 24 h service time
- 15 min to respond to customers
- 12 h to diagnose fault
- 24 h to offer solutions
- 48 h to resolve complaint