



3S INDUSTRY
SAFE | SIMPLE | SPECIALIZED

LADDER HOIST



Company Profile

3S Industry Group Inc. is a China-based leading provider of equipment and services for people working at height. Our products have been applied in 17 different industries and exported to more than 70 countries. Our core business is the wind industry. With our strong focus on R&D, we have been granted more than 60 invention patents and obtained over 100 global safety qualification certificates. We strive to support our customers and make a better future in the field of working at height.

Headquartered in Beijing, 3S Industry has Manufacturing Centers in Beijing and Tianjin. With wholly-owned subsidiaries in Dallas (USA), Hamburg (Germany), Chennai (India), Tokyo (Japan), Jaraguá do Sul (Brazil), and Dubai (UAE), our global after-sales service teams provide on-site installation and maintenance services for our customers around the world. This way, 3S Industry ensures quick and reliable technical support, offering one-stop shop service.

With our 3S brand creed - Safe, Simple, Specialized, we are dedicated to our mission of providing products and services that exceed customer expectations. We strive to make our products the best in their field. We use scientific and technological innovation to drive the development of integrated solutions that serve people working at height.

2005

Year
Established

1st

Market Share in Our
Specialized Segment Within
the Wind Power Industry

60+

Invention Patents

13

Global
Subsidiaries

200,000+

Units of 3S Work-at-Height
Products in Service

100+

Global
Qualifications

900+

Employees

5,000+

Wind Farms Utilizing
3S Products

20+

Global Standards



● Headquarters ● Subsidiary ● Countries and regions where 3S products are used



Headquarters in Beijing



Factory in Tianjin



North America Branch in Dallas



Europe Branch in Hamburg



India Branch in Chennai



Japan Branch in Tokyo



Brazil Branch in Jaraguá do Sul

Plug-in Ladder Hoist

The MH03L250 redefines efficiency in high-altitude lifting. Designed with integrated safety features, its smooth start / stop technology minimizes load jolts, protecting both equipment and personnel. Enables fast, tool-free installation, making it a highly efficient solution for material transport.

Features

- Compact design
- Tool-free assembly
- Multi loading platforms
- Fall arrest protection

Advantages

- Complete system fits in a standard minivan.
- Quick-lock connections require no special tools.
- Different carriers suit panels, tiles, buckets and more.
- Independent mechanical safety device stops the carriage if the rope fails.

Benefits

- **Easy Logistics:** Simple to transport, handle and store.
- **Fast Setup:** Saves installation and dismantling time.
- **High Versatility:** One hoist serves multiple applications.
- **Enhanced Safety:** Prevents uncontrolled descent.



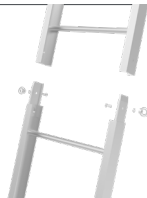
Product Specifications

Plug-in model	MH03L250
Rated load	250 kg or 500 lb (US version)
Lifting speed	30 m/min / 98 ft/m (double speed)
Max. ladder length	21 m / 68 ft
Motor power	1.5 kW / 2.0 hp (Variable Frequency Drive)
Power supply	230 / 120 V, 1-ph, 50 / 60 Hz
Operating temperature	- 20 °C to + 55 °C / - 4 °F to + 131 °F
IP class	IP 54 (electrical)
Noise level	72 - 76 dB
Compliance	2006/42/EC (MD), EN 12158-2, ASME B20.1

Product Details



Rail Top Section



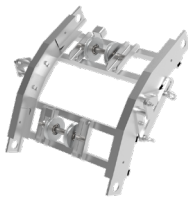
Rail Section Connectors



Guide Rail Support



Roof Support Bracket



Knee Section



Carriage



LBS Grooved Drum



Drive Unit

Various Platforms

01 Plate Platform

Internal dimension:

900 × 140 × 2 100 mm / 35.4 × 5.5 × 82.6 in

Weight: 33 kg / 73 lb

Load capacity: 190 kg / 418 lb

02 Brick Platform

Internal dimension:

440 × 350 × 890 mm / 17.3 × 13.7 × 35 in

Weight: 30 kg / 67 lb

Load capacity: 200 kg / 440 lb

03 Large Rotatable Platform

Internal dimension:

1 200 × 800 × 370 mm / 47.2 × 31.4 × 14.5 in

Weight: 75 kg / 166 lb

Load capacity: 160 kg / 352 lb

04 Universal Platform

Internal dimension:

700 × 330 × 810 mm / 27.5 × 12.9 × 31.8 in

Weight: 32 kg / 71 lb

Load capacity: 200 kg / 440 lb

05 Angle Adjustable Platform

Internal dimension:

700 × 330 × 810 mm / 27.5 × 12.9 × 31.8 in

Weight: 40 kg / 89 lb

Load capacity: 190 kg / 418 lb

06 Bucket Hanger

Dimensions:

780 × 668 × 257 mm / 30.7 × 26.3 × 10.1 in

Weight: 6.7 kg / 15lb

07 Solar Panel Platform

Internal dimension:

700 × 330 × 1 150 mm / 27.5 × 12.9 × 45.2 in

Weight: 23 kg / 51 lb

Load capacity: 210 kg / 463 lb

08 Pipe-Type Solar Panel Platform

Internal dimension:

700 × 695 × 1 415 mm / 27.5 × 27.3 × 55.7 in

Weight: 51 kg / 113 lb

Load capacity: 180 kg / 397 lb



Construction Scenarios in Bulgaria

Project Name

Bulgaria Construction Site Project - Materials Transportation

Project Description

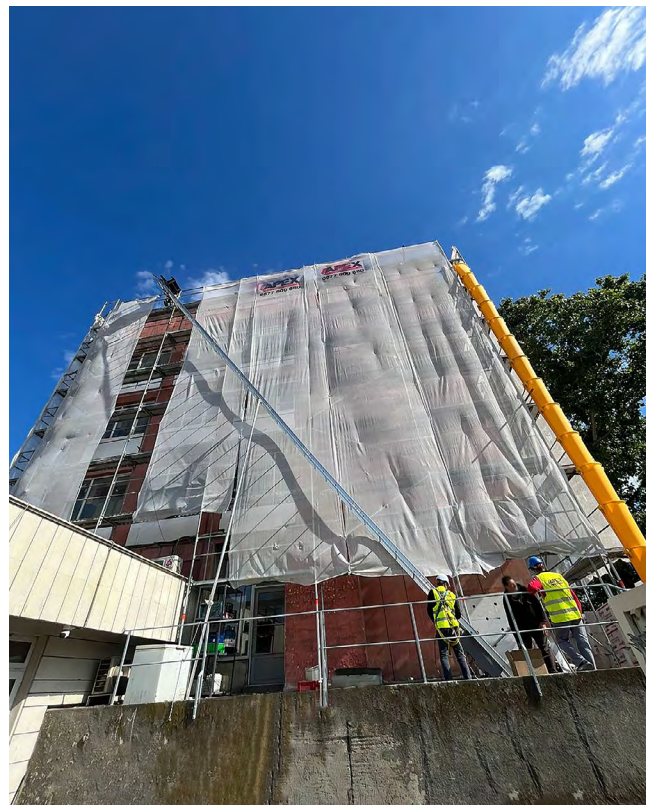
- Building approximately 3 stories;
- Narrow space at the site;
- Large-scale lifting equipment couldn't operate;

Solution

- Provided 21 m / 68 ft ladder hoist equipped with universal platform;
- Transport various building materials to required heights.
- Flexible angle adjustment, effectively bypassing the limitations.

Case Results

- Saved time
- Lowered labor costs
- The work efficiency improved
- 24 months without any problems



Commerical Solar PV Installation

Project Name

Solar Panel Installation Project in Bosnia and Herzegovina

Project Description

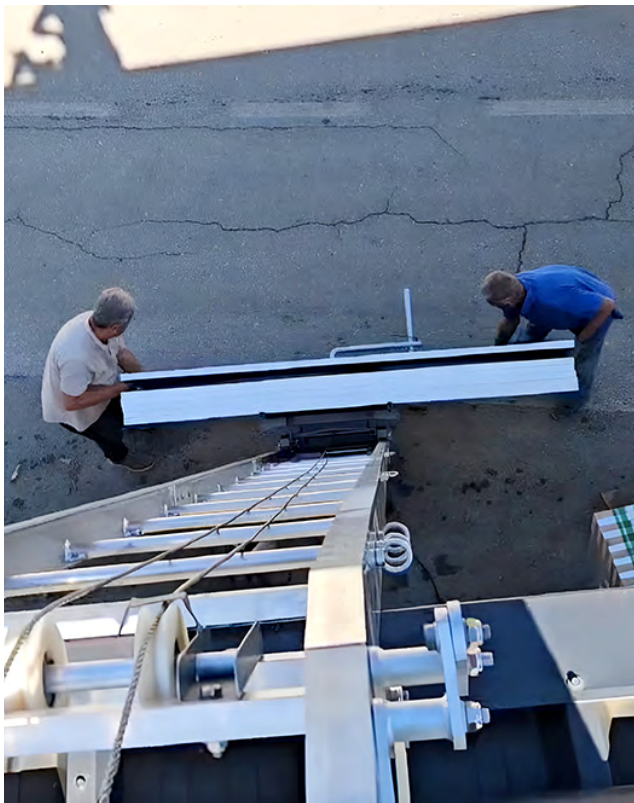
- Facing challenges due to cold climate
- Slowed down winter installation efficiency
- Needed a reliable solution to take different project heights

Solution

- Provided 14 m rail section paired with solar panel platform
- Lifting with varying heights
- Operates in temperatures ranging from -20°C to +55°C.
- With the capacity to handle 6 panels in a single operation.

Case Results

- Used the ladder hoist for over 1 year
- Completing numerous solar panel installation projects, as the customer put it: "A small device with a big impact"



Battery Ladder Hoist

Battery ladder hoist solution eliminate cords, reduce trip hazards, and keep your team productive. Specifically engineered for solar, roofing, moving and construction. It delivers reliable, high-performance operation anytime, anywhere, maximizing convenience and efficiency for daily tasks.

Features

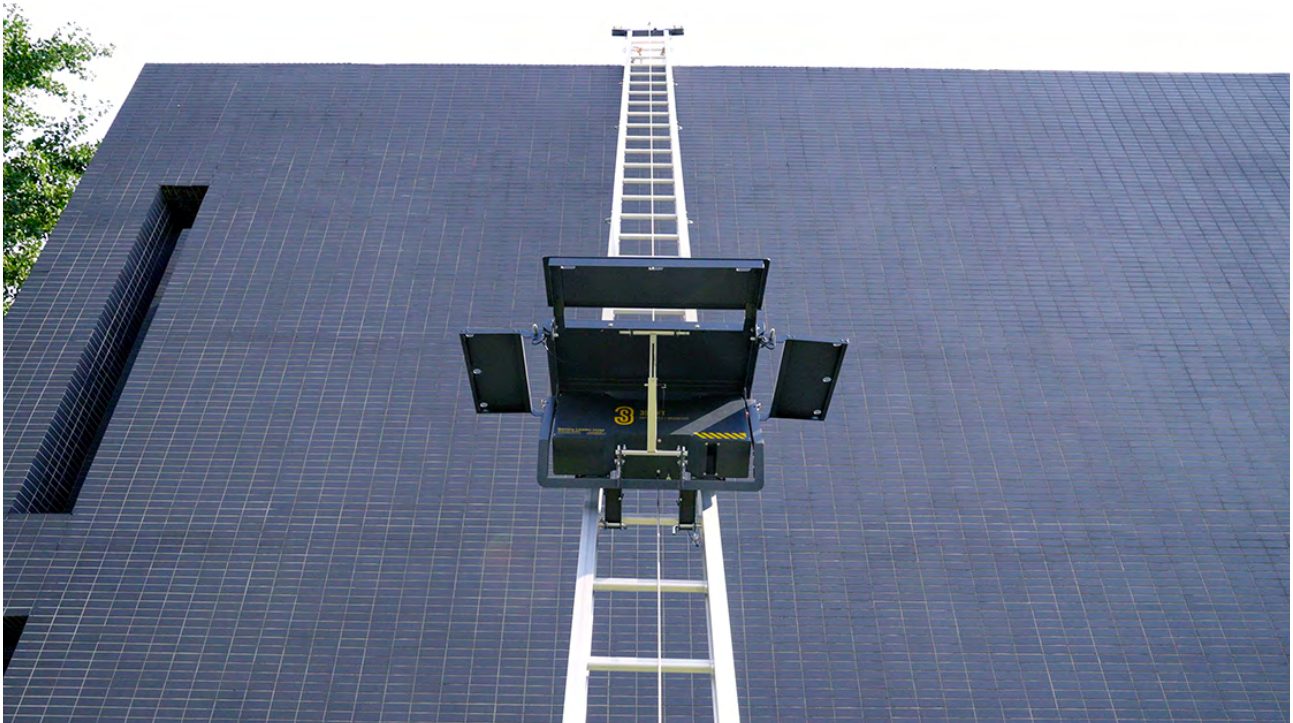
- Dual-brand battery compatibility
- Wireless operation
- Automatic tilting platform
- Fall arrest protection

Advantages

- Compatible with DEWALT® and Milwaukee® battery platforms.
- No external power supply or trailing cables required.
- Platform tilts over the head section for easy unloading at roof level.
- Independent mechanical safety device stops the drive unit if the rope fails.

Benefits

- **Lower Investment:** Uses batteries already available on site.
- **Site Flexibility:** Easy to deploy where power access is limited.
- **Safer Unloading:** Reduces reaching and manual handling at the roof edge.
- **Enhanced Safety:** Prevents uncontrolled descent.



Product Specifications

Plug-in model	MH04L120
Rated load	120 kg / 264 lb
Lifting speed	15 m/min / 49 ft/m
Max. ladder length	14 m / 45 ft
Motor power	0.55 kW / 0.73 hp
Battery	2 × 18 / 20 V, 5 / 6 Ah (DeWalt® or Milwaukee®)
Operating temperature	- 20 °C to + 40 °C / - 4 °F to + 104 °F
IP class	IP 54 (electrical)
Noise level	≤ 79 dB
Compliance	2006/42/EC (MD), EN 12158-2, ASME B20.1

Product Details



Head Section



Drive Unit



Rail Section



Solar Panel Platform



Universal Platform

Residential Solar PV Installation

Project Name

Solar Panel Installation Project in the United States

Project Description

- Relying on standard ladders and manual lifting
- Summer temperatures +40°C
- Labor costly
- Prolonged work hours

Solution

- Provided 10m battery ladder hoist with solar panel platform
- 120 kg load capacity
- 3-4 panels per trip.
- Assembled within 15 minutes.

Case Results

- Project timelines dropped from 3–4 days to 1–2 days per home
- Less physical fatigue, reduce incidents by 75%.
- Capable to get more jobs.





Scan to learn more



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