



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 for more than 600 patents and obtained over 100 global safety qualification certificates. We strive to support our customers and makes 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 City (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 for our customers.

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 integrative solutions that serve people working at height.

2005

Year
Established

1st

Market Share in Our
Specialized Segment Within
the Wind Power Industry

600+

Global Patents

11

Global
Subsidiaries

180,000+

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 LIFT products are used



R&D Center in Beijing(YiZhuang)



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

- Multiple transport platforms
- Safety specialized in safety catch
- Tool-free
- Reliable quality
- Small-sized and lightweight design

Advantages

- Diverse application scenarios
- Quick installation
- CE & UL certification
- Safer worksites
- Easy to transport (available for mini van)

Benefits

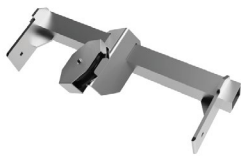
- One-size-fits-all
- Rapid deployment
- Low transportation cost
- Harm-free
- High productivity



Product Specifications

Plug-in model	MH03L250
Rated load (kg / lbs)	250 / 552
Max. lifting height (m / ft)	21 / 68
Lifting speed (m / min ft / min)	30 98 (double speed)
Smooth start / stop	Yes
IP class	IP 54 (electrical)
Operating temperature (°C)	-20 to +55
Drive unit weight (kg / lbs)	65 / 56 (143 / 123)
Noise level (dB)	72 - 76
Wire rope diameter (mm)	6
Power supply (V)	230 / 110 , Frequency adaptation
Over load detection	VFC control

Product Details



Rail Top Section



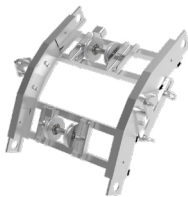
Rail Section Connectors



Guide Rail Support



Roof Support Bracket



Knee Section



Carriage



LBS Grooved Drum



Drive Unit

Various Platforms

- 01 Plate Platform**
Dimensions: 1400 x 155 x 2090 mm
Weight: 32 kg Rated load: 165 kg
- 02 Brick Platform**
Dimensions: 440 x 350 x 890 mm
Weight: 24 kg Rated load: 150 kg
- 03 Large Rotary Platform**
Dimensions: 1200 x 800 x 340 mm
Weight: 85 kg Rated load: 165 kg
- 04 Universal Platform**
Dimensions: 700 x 330 x 810 mm
Weight: 32 kg Rated load: 220 kg
- 05 Angle-adjustable Platform**
Dimensions: 700 x 330 x 810 mm
Weight: 40 kg Rated load: 210 kg
- 06 Bucket Hanger**
Dimensions: 780 x 668 x 257 mm
Weight: 6.7 kg
- 07 Horizontal Solar Panel Platform**
Dimensions: 700 x 330 x 1150 mm
Weight: 22.7 kg Rated load: 220 kg
- 08 Vertical Solar Panel Platform**
Dimensions: 768 x 964 x 1580 mm
Weight: 50.4 kg



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

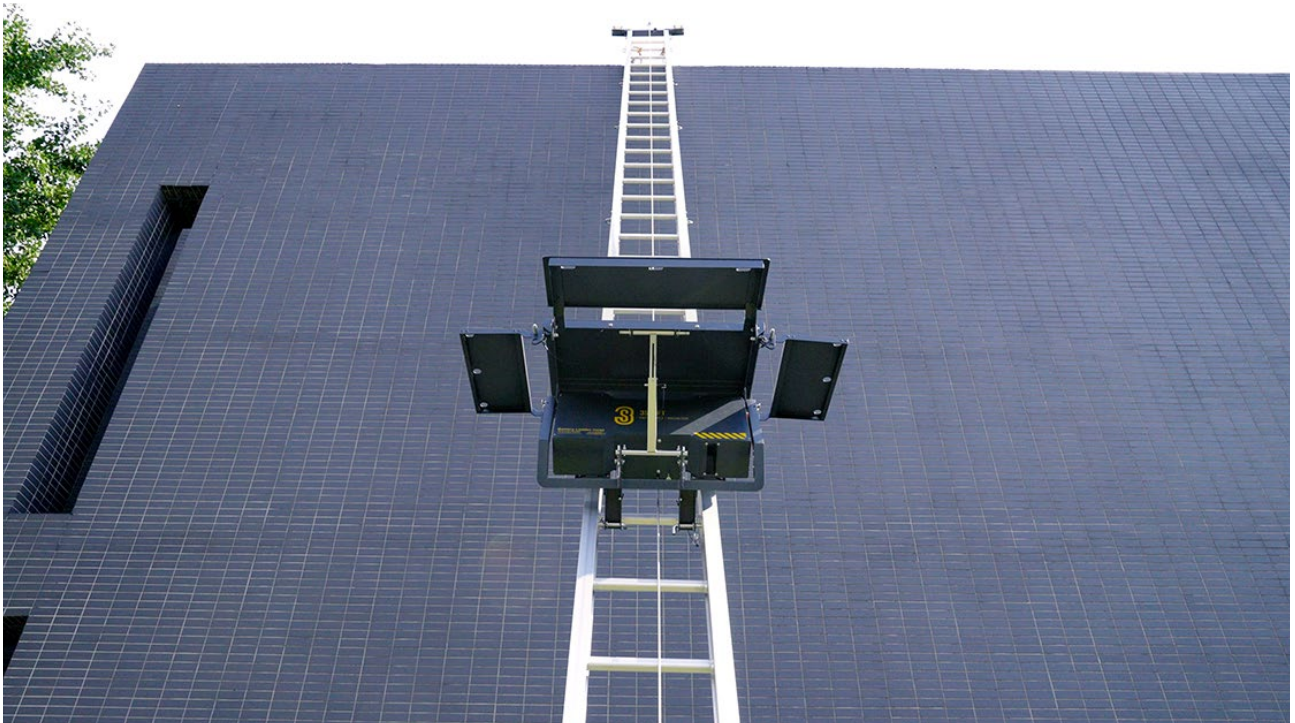
- Unique automatic tilting function
- Wire rope drive
- Dual-Battery compatibility
- 28 kg drive unit
- Low battery alarm and over range indication

Advantages

- High safety level
- Portability
- All round protection
- Wireless operation
- 50% longer service life than nylon

Benefits

- Reduced labour cost
- Long lifespan
- Expand application scenarios
- Boosting worker efficiency and focus
- Reducing accidents and compliance risks



Product Specifications

Battery model	MH04L120
Power supply (w)	550
Battery voltage	2 pcs *18 V / 5 Ah
Battery brand	Dewalt / Milwaukee / 3S Local Source
Rated load (kg / lbs)	120 / 265
Max. lifting height (m / ft)	14 / 46 (Customizable)
Lifting speed (m / min ft / min)	15 49
Wire rope diameter (mm)	5
Waterproof	IP 54 (electrical)
Over load detection	Current overload

Product Details



Head Section



Drive Unit



Rail Section



Solar Panel Platform



Universal Platform

Construction Scenarios in Bulgaria

Project Name

Bulgaria Construction Site Project - Materials Transportation

Project Description

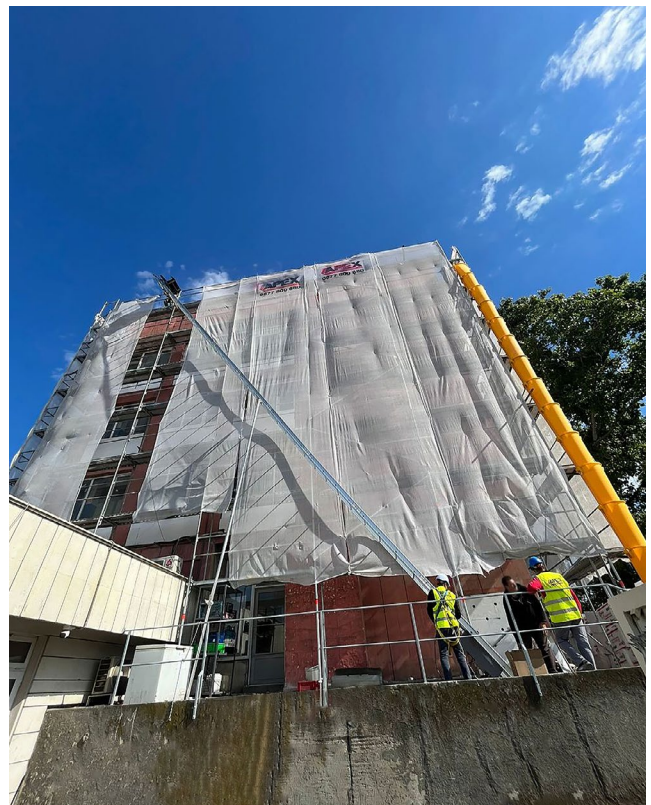
- Building approximately 3 stories;
- Narrow space at the site;
- Large-scale lifting equipment couldn't operate;

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

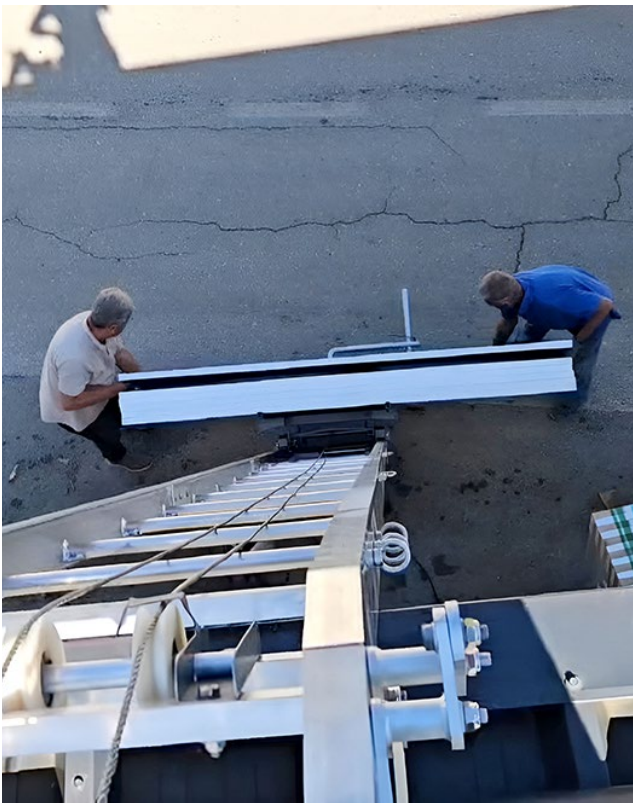
- Facing challenges due to cold climate
- Slowed down winter installation efficiency
- Needed a reliable solution to take different project heights

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"



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



3S Industry Group INC.

No. 11 Tongji South Road,
Jingkai District, Beijing 100176, China
+86 10 69597866
info-china@3sindustry.com

3S Americas, Inc.

2920 Telecom Parkway, Suite 400,
Richardson, TX 75082, USA
+1 972 849 3210
info@3SAmericas.com

3S Europe GmbH

Hein-Saß-Weg 21
21129 Hamburg, Germany
+49 40 32518887
info@3SEurope.de

3S Lift India Private Limited

Workafella Business Center-51, Level 4, Tower A Rattha
Tek Meadows Old Mahabalipuram Road, Rajiv Gandhi
Sala, Sholinganallur Chennai, Tamil Nadu, India, 600119
+91 9600653379
info-india@3Sindustry.com

3S Japan Co., Ltd.

#B1F Bright Akihabara 1-24-9 Taito,
Taito-Ku, Tokyo, 110-0016 Japan
+81 (90) 4602 3955
info-Japan@3sindustry.com

3S LIFT BRASIL LTDA

Jorge Czerniewicz street, 1020, Room 01,
Czerniewicz zone, CEP 89.255-000,
Jaraguá do Sul City, Santa Catarina State
+55 11 97847-8584
info-brasil@3sindustry.com

3S Middle East LLC-FZ

Meydan Grandstand, 6th floor, Meydan
Road, Nad Al Sheba, Dubai, U.A.E
info-uae@3sindustry.com