



Brushless DC BATTERY HOIST

18V/36V Lithium

European Patent:
EP 4 001 200 A1



INNOVATION FROM

YONGTIAN

Since 1999

www.yongtian.com

YONGTIAN Lifting



Established in 1999, YONGTIAN LIFTING is a high-tech enterprise focusing on Technology Research, Manufacturing and Sales, we specialize in the manufacture and export of Light and Small Lifting Equipment, such as Mini Electric Hoists, Scaffold Hoists, One-Way / Two-Way Hoists, Two-Speed Hoists, etc.

Our products are widely used in various industries and sold globally, with a particularly strong demand in the European and North American markets. We are committed to providing customers with high-quality lifting equipment and continuously promoting technological innovation and product improvement to meet the ever-changing market demands.

In recent years, we have been dedicated to developing various types of DC Lithium Electric Hoists, pioneering the field of DC lithium hoists both domestically and internationally. We have successfully applied DC brushless lithium technology to the lifting equipment industry, playing a more significant role in special environments such as explosive atmospheres and areas without access to AC power supply. This has provided users with more convenient, efficient, and reliable lifting solutions.

ISO 9001: 2015
ISO 14001: 2015
BSCI



YONGTIAN LIFTING

DC Cordless New Hoist Innovation Patented



04
05

AC Chain Hoist



06
07

DC Chain Hoist



11
12

AC Mini Hoist



13
15

DC Mini Hoist

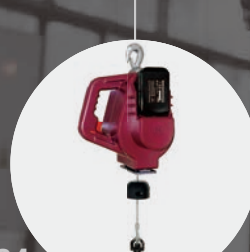
Lithium Battery
18V/36V

DC Battery Winch



25

DC Cordless Winch



24

DC Cable Hoist



18
10



230V or 120V

Innovation Patented

AC Chain Hoist



The pendant control cable that extension of more than 2m is recommended to connect with the circular connector, it can be taken off for packages.



**Accessories
In Portable Case:**

- Chain 3m x1
- Chain Bag x1
- Upper Hook x1

Pendant control length: 6m



Chain Bag
12m~20m or bigger

AC Chain Hoist

BIMOTOR BRUSHLESS MOTOR

230V/120V

POWER



Model:	YT-RERW-ACCH250	YT-RERW-ACCH300
Power Supply(V):	230V/50Hz or 120V/60Hz	230V/50Hz or 120V/60Hz
Input Power(W):	320	320
Lifting Capacity(kg):	Max: 250	Max: 300
Lifting Height(m):	3	3
Lifting Speed(m/min):	Up-3.0 Down-4.0	Up-3.0 Down-4.0
Chain(mm):	4.0*12	4.0*12
Duty rating ED:	ED 40%	ED 40%
	A2 / 16000 Full load cycles	A2 / 16000 Full load cycles
Carton size(mm):	395*320*265	395*320*265
G.W.(kg):	12	12
Water Proof	IP23	IP23
Certificate	CE/EMC / CETL	

230V/120V

POWER



Model:	YT-RERW-ACCH500
Power Supply(V):	230V/50Hz or 120V/60Hz
Input Power(W):	850
Lifting Capacity(kg):	Max: 500
Lifting Height(m):	3
Lifting Speed(m/min):	Up-4.0 Down-4.5
Chain(mm):	5.0*15
Duty rating ED:	ED 40%
	A2 / 16000 Full load cycles
Carton size(mm):	448*390*300
G.W.(kg):	15.5
Water Proof	IP23
Certificate	CE/EMC / CETL

230V/120V

POWER



Model:	YT-RERW-ACCH1000-D
Power Supply(V):	230V/50Hz or 120V/60Hz
Input Power(W):	850
Lifting Capacity(kg):	1000
Lifting Height(m):	3
Lifting Speed(m/min):	Up-2.0 Down-2.5
Chain(mm):	5.0*15
Duty rating ED:	ED 40%
	A2 / 16000 Full load cycles
Carton size(mm):	448*390*300
G.W.(kg):	20.5
Water Proof	IP23
Certificate	CE/EMC / CETL

Duty Cycle:40%
Electronic brake + Mechanical brake

CE   Work Duty: ED 40%
A2 / 16000 Full load cycles



18V/36V

Innovation Patented

DC Chain Hoist



**Accessories
In Portable Case:**

- Chain 3m x1
- Chain Bag x1
- Upper Hook x1
- Lithium Battery 4.0Ah x1
- Fast Charger x1



36V to 18V x 2 Adapter

DC Chain Hoist

BIMOTOR
BRUSHLESS MOTOR

18V Li-ion Battery
POWER



Model:	YT-RERW-DCCH250	YT-RERW-DCCH300
Power Supply(V):	18	18
Input Power(W):	320	320
Lifting Capacity(kg):	Max: 250	Max: 300
Lifting Height(m):	3	3
Lifting Speed(m/min):	Up-3.0 Down-4.0	Up-3.0 Down-4.0
Chain(mm):	4.0*12	4.0*12
Duty rating ED:	ED 40%	ED 40%
	A2 / 16000 Full load cycles	A2 / 16000 Full load cycles
Carton size(mm):	395*320*265	395*320*265
G.W.(kg):	12	12
Water Proof	IP23	IP23
Certificate	CE/EMC	

36V Li-ion Battery
POWER





Model:	YT-RERW-DCCH500
Power Supply(V):	36
Input Power(W):	850
Lifting Capacity(kg):	Max: 500
Lifting Height(m):	3
Lifting Speed(m/min):	Up-3.5 Down-4.5
Chain(mm):	5.0*15
Duty rating ED:	ED 40%
	A2 / 16000 Full load cycles
Carton size(mm):	448*390*300
G.W.(kg):	15.5
Water Proof	IP23
Certificate	CE/EMC

36V Li-ion Battery
POWER



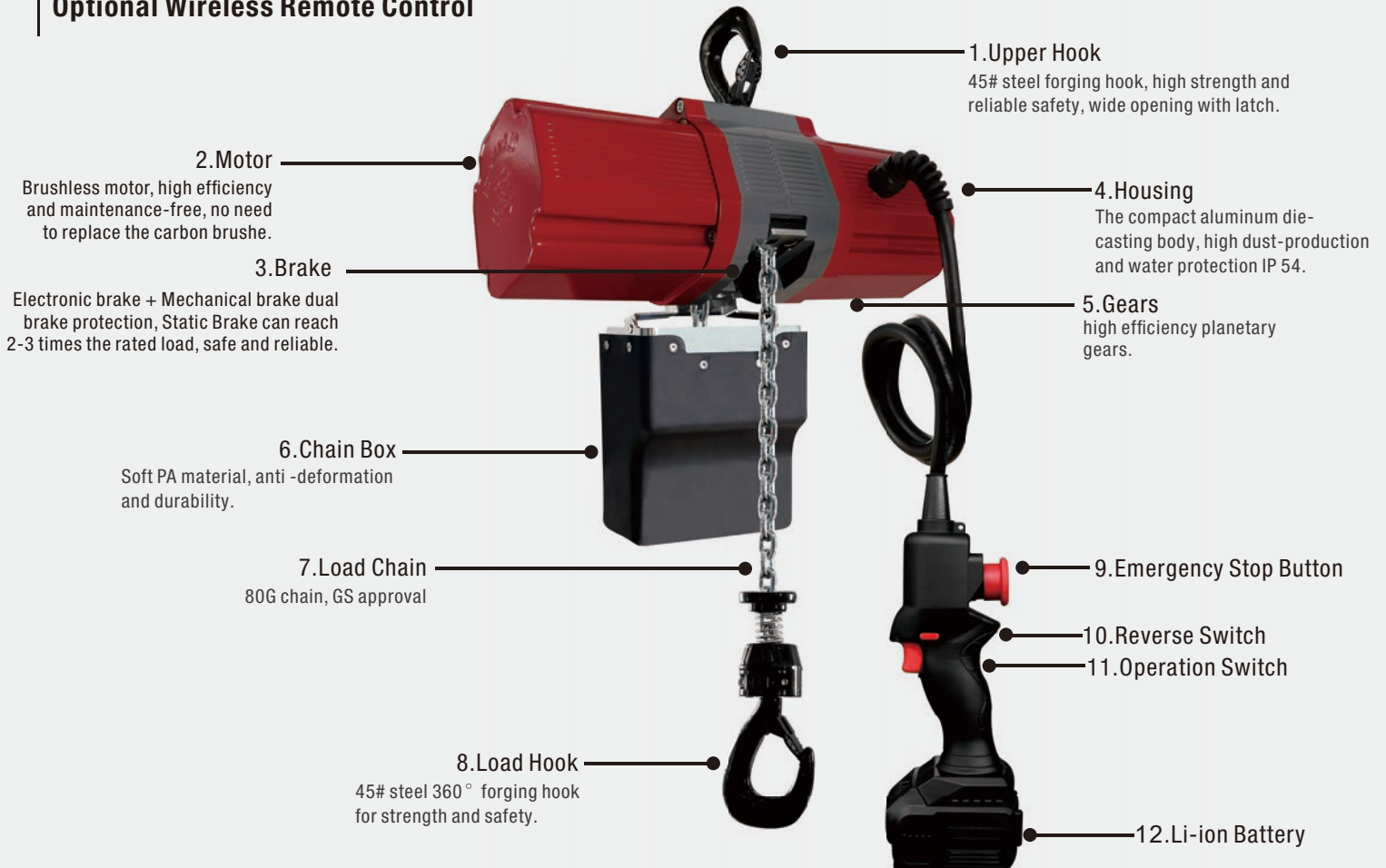
Model:	YT-RERW-DCCH1000-D
Power Supply(V):	36
Input Power(W):	850
Lifting Capacity(kg):	1000
Lifting Height(m):	3
Lifting Speed(m/min):	Up-1.75 Down-2.25
Chain(mm):	5.0*15
Duty rating ED:	ED 40%
	A2 / 16000 Full load cycles
Carton size(mm):	448*390*300
G.W.(kg):	20.5

Duty Cycle:40%
Electronic brake + Mechanical brake

CE   Work Duty: ED 40%
A2 / 16000 Full load cycles

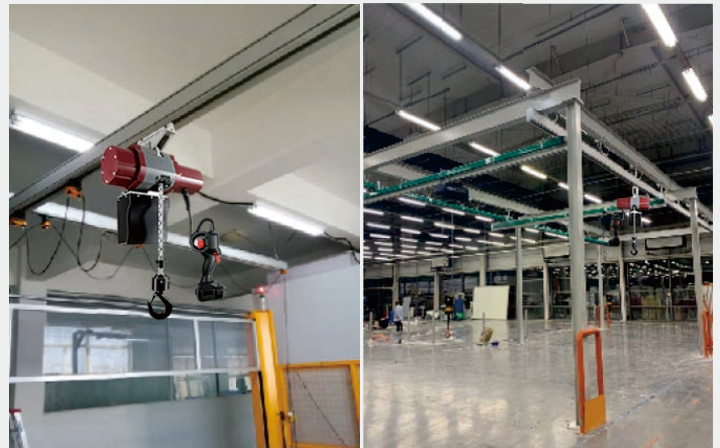
DC Chain Hoist

Optional Wireless Remote Control

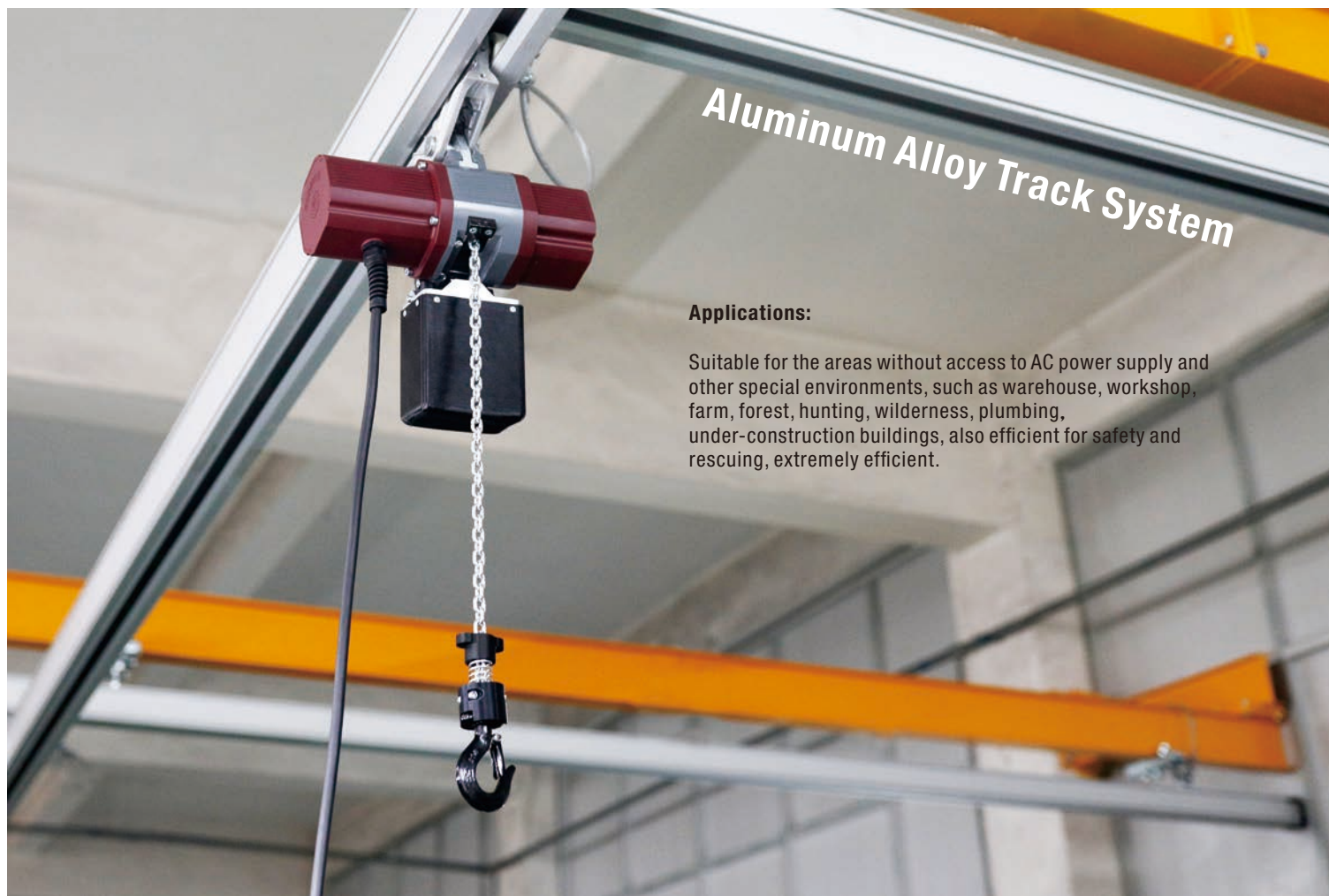


Features:

- 40% Duty Cycle:** with overheating protection, can work continuously for a long time.
- Multiple Intelligent Protections:** Over-voltage, Under-voltage, Over-temperature, over load, strictly comply with safety regulations.
- Powered by 2.0Ah or 4.0Ah 18V / 36V Lithium battery.
- All aluminum alloy body, lightweight.
- Lifting Height: 3m as standard.



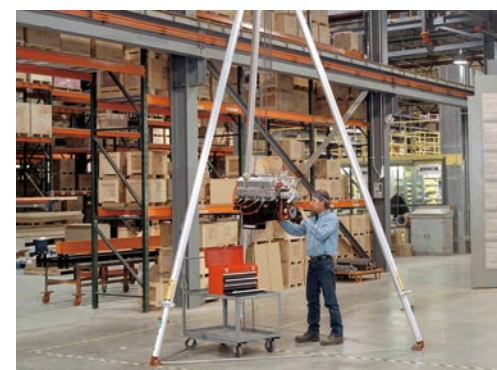
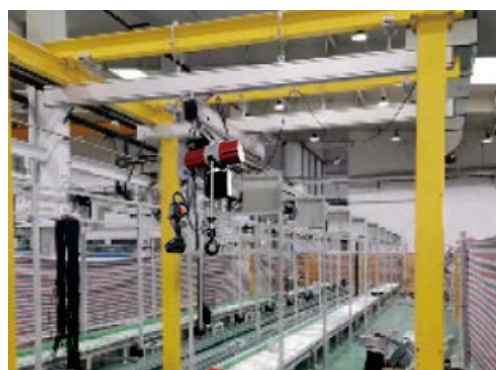
DC/AC Chain Hoist



Aluminum Alloy Track System

Applications:

Suitable for the areas without access to AC power supply and other special environments, such as warehouse, workshop, farm, forest, hunting, wilderness, plumbing, under-construction buildings, also efficient for safety and rescuing, extremely efficient.



Aluminum Alloy Track System Customization



Wireless Remote Control

For all YONGTIAN's Brushless Electric Hoist



Work frequency:	RF433M
Emission distance:	<= 100m
Receiving direction:	360°
Remote control emitter power:	max.20dBm
Working temperature:	-20 °C +65 °C
Relative humidity:	<=85%

NFC key

1. **NFC** (Near Field Communication) is a short-range, high-frequency wireless communication technology that allows contactless, providing point-to-point data transmission.
2. **Authentication:** NFC keys can be used to verify the identity of operators, ensuring that only authorized personnel can operate the machines, thereby improving safety.
3. **Start and Stop:** Operators can start or stop the machine by bringing the NFC key close to a specific sensing area on the hoists, without the need for a traditional mechanical key.

Features:

1. The wireless modulation method adopts GFSK frequency modulation technology, which has strong anti-interference ability.
2. With intelligent functions, users can easily copy the remote control handle by themselves to achieve one-to-multi, multi-to-one controls.
3. The communication interface is reserved with the hoist, the remote control handle can provide real-time feedback on the working status and fault code of the hoist.
4. With built-in sleeping function, it automatically enters the sleep power saving mode after 15 minutes of no operation.

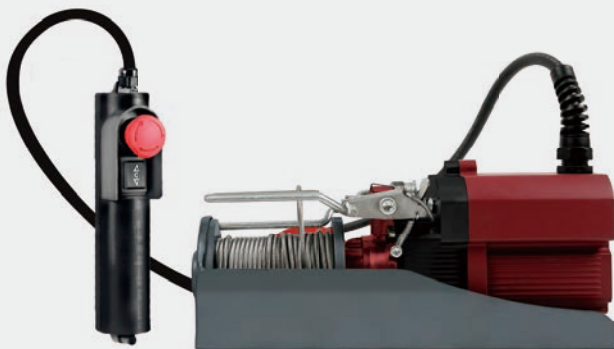
REPOWER LTD
红玫旋风



230V or 120V

Innovation Patented

AC Mini Hoist



Applications:

Designed for all the material handling applications on the docks, trucks, cargo vehicle, warehouse and workshops, car repair and modification, farms, home DIY building and renovation where there is no AC power supply.

AC Mini Hoist

BIMOTOR
BRUSHLESS MOTOR



Features:

1. Brushless AC motor (BLDC):
2. Double brake Protection: Electronic brake + Mechanical brake.
3. Small size and light, portable to carry, convenient to installation and operation.
4. With Safety Bracket, Up/Down position limit device.
5. Operating Switch with Emergency-Off Function.

Model:	YT-RERW-AC250/500		YT-RERW-AC400/800	
Method of use	Single-line	Double-line	Single-line	Double-line
Voltage(V):	230V/50Hz or 120V/60Hz		230V/50Hz or 120V/60Hz	
Output Power(W):	380		720	
Lifting Capacity(kg):	250	500	400	800
Lifting Height(m):	12	6	12	6
Lifting Speed(m/min):	Up-3.5 Down-4.5	Up-1.75 Down-2.25	Up-3.0 Down-4.0	Up-1.5 Down-2.0
Cable Length(m):	12		12	
Duty rating ED	ED 20%		ED 20%	
	A0 / 4000 Full load cycles		A0 / 4000 Full load cycles	
Rope diameter(mm):	3.5		4.5	
Packing size(mm):	390*280*245		395*125*250	
G.W.(kg):	8		12.5	
Water Proof:	IP23		IP23	

230V/120V
POWER

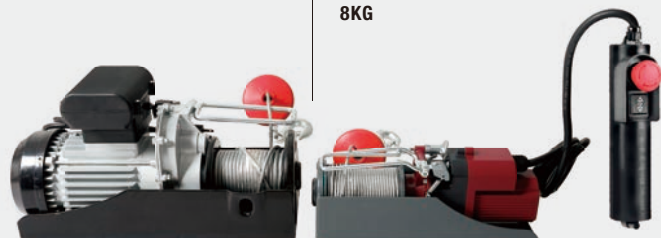
Work Duty: ED 20%
A0 / 4000 Full load cycles



Minifun
Super Lightweight

AC 250/500KG
16KG

Brushless
AC 250/500KG
8KG



REDWIND
红玫旋风



18V

Innovation Patented

DC Mini Hoist



Applications:

Designed for all the material handling applications on the docks, trucks, cargo vehicle, warehouse and workshops, car repair and modification, farms, home DIY building and renovation where there is no AC power supply.

DC Mini Hoist



BIMOTOR
BRUSHLESS MOTOR



Features:

1. Brushless DC motor (BLDC):
2. Double brake Protection: Electronic brake + Mechanical brake.
3. 18V is equipped with 2.0Ah or 4.0Ah battery pack and charger.
4. Small size and light, portable to carry, convenient to installation and operation.
5. With Safety Bracket, Up/Down position limit device.
6. Operating Switch with Emergency-Off Function.

Model:	YT-RERW-DC125/250		YT-RERW-DC250/500	
Method of use	Single-line	Double-line	Single-line	Double-line
Voltage(V):	18		18	
Output Power(W):	200		380	
Lifting Capacity(kg):	125	250	250	500
Lifting Height(m):	12	6	12	6
Lifting Speed(m/min):	Up-3.5 Down-4.5	Up-1.75 Down-2.25	Up-3.0 Down-4.0	Up-1.5 Down-2.0
Cable Length(m):	12		12	
Duty rating ED	ED 20%		ED 20%	
	A0 / 4000 Full load cycles		A0 / 4000 Full load cycles	
Rope diameter(mm):	3.18		3.5	
Packing size(mm):	305*125*230		368*130*230	
G.W.(kg):	6		8	
Water Proof:	IP23		IP23	

18V Li-ion Battery
POWER

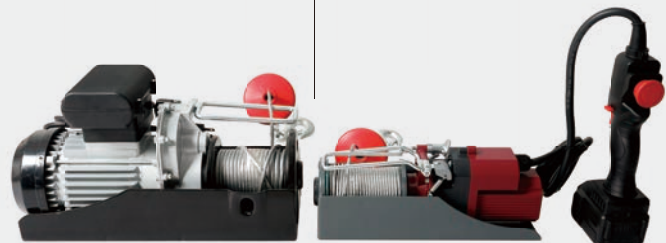
Work Duty: ED 20%
A0 / 4000 Full load cycles



Minifun
Super Lightweight

AC 250/500KG
16KG

DC 250/500KG
8KG



DC Mini Hoist



Applications:

Designed for all the material handling applications on the docks, trucks, cargo vehicle, warehouse and workshops, car repair and modification, farms, home DIY building and renovation where there is no AC power supply.



AC/DC Garage Hoist



Innovation Patented

AC: 230V or 120V
DC: 18V

Applications of Residential Motorized Storage Lift:

Lifting and storages for bike, yacht, tent, racks in the top of garage, roof, ceiling, warehouse or others.

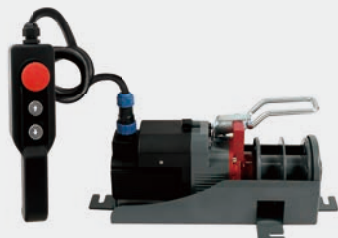


Features:

1. Brushless DC motor (BLDC):
2. Double brake Protection: Electronic brake + Mechanical brake.
3. 5m controlling handle with Air Socket connector, easy connection, operation and storage.
4. 5m wired controlling handle with circular connector is optional customized.

AC/DC Garage Hoist

BIMOTOR BRUSHLESS MOTOR



Model:	YT-RERW-ACGH 150	YT-RERW-ACGH 300
Voltage (V):	220~240	220~240
	110	110
Output Power(W):	200	320
Lifting Capacity(kg):	150	300
Lifting Speed(m/min):	4	4
Packing size(mm):	309*123*232	369*13*232
G.W.(kg):	6	8

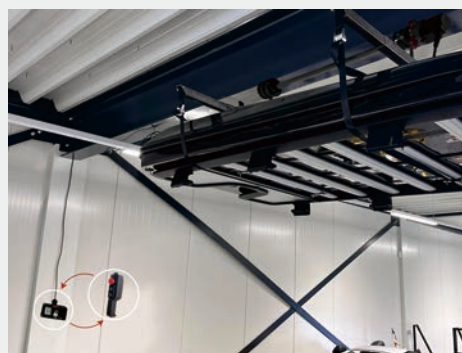
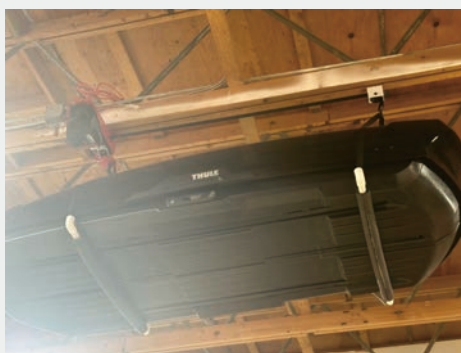


Work Duty: ED 20%
A0 / 4000 Full load cycles



Model:	YT-RERW-DCGH 150	YT-RERW-DCGH 300
Power Supply(V):	18	18
Output Power(W):	200	320
Lifting Capacity(kg):	150	300
Lifting Speed(m/min):	4	4
Packing size(mm):	309*123*232	369*13*232
G.W.(kg):	6	8

Can be used in each item of our DC Hoists.





18V/36V

Innovation Patented

DC Cable Hoist

Features:

1. Brushless DC motor (BLDC):
2. Double brake Protection: Electronic brake + mechanical brake.
3. With Automatic Cable Arrangement Device.
4. 18V / 36V power supply is equipped with 2.0Ah or 4.0Ah battery pack and charger.
5. Small size and light, portable to carry, convenient to installation and operation.
6. With Safety Bracket, Up/Down position limit device.
7. Operating Switch with Emergency-Off Function.



DC 36V - 330/660kg



Portable case



12V
Innovation Patented

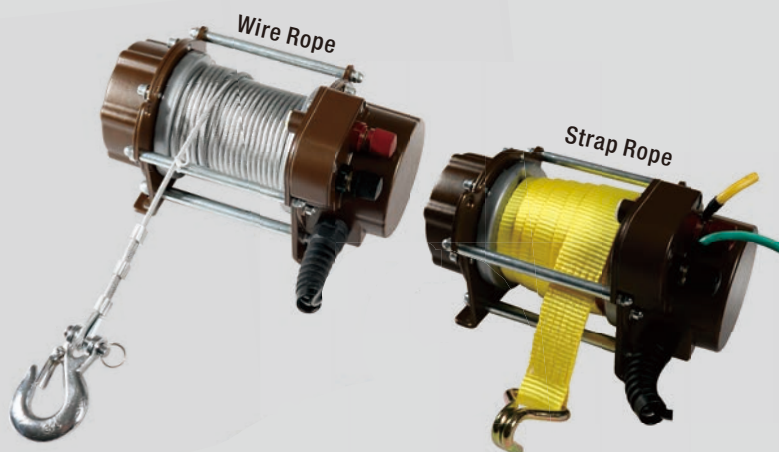
DC Cable Winch

Features:

1. 12V Brushless DC motor (BLDC).
2. Double brake Protection: Electronic brake + mechanical brake.
3. Working connected to 12V Battery.
4. Loading capacity 360kg, Loading limitation 400kg.
5. Working temperature to 50°C.
6. Insulation class: B; Protection class: Ip54.



Model:	YT-JZX-DC360
Power Supply(V):	12
Input Power(W):	840
Lifting Capacity(kg):	360
Lifting Speed(m/min):	5
Cable Length(m):	12
Duty rating ED	ED 40%
Cable(mm):	3.5
Carton size(mm):	360*302*325
G.W.(kg):	6





Mobile Loading Frame

Model:	YT-JZ-DCARM-A
Rated load capacity(kg):	200
Carton size(mm):	126*24*128
G.W.(kg):	43

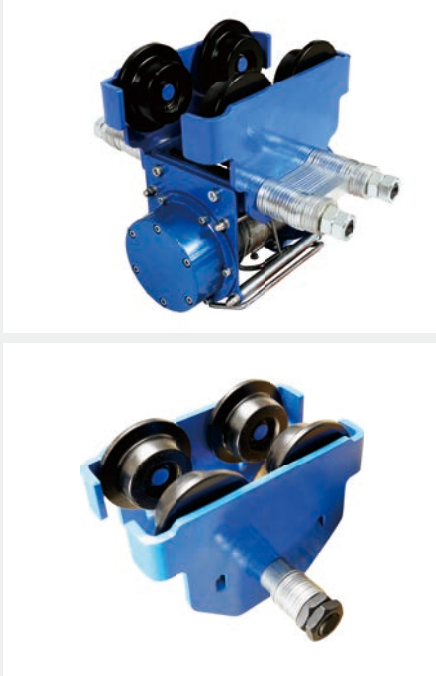


Truck Loading Frame

Model:	YT-JZ-DCARM-B
Rated load capacity(kg):	300
Carton size(mm):	95*22*23
G.W.(kg):	45



DC Trolley Hoist



Trolley Specifications

Model:	KLT150	KLT250	KLT350
Capacity(kg):	150	250	350
Standard Lift(m):	3	3	3
Load Chain(mm):	Φ6*18	Φ6*18	Φ6*18
I-Beam(mm):	125-152	125-152	125-152
Dimensions(mm)	A	240	240
	B	213	213
	D1	Φ57	Φ57
	D2	Φ78	Φ78
	H	22	22
G.W.(kg):	9	11	13

Applications:

Specially designed for the material loading applications on the Aluminum Gantry and Steel Gantry.





18V/36V

Innovation Patented

DC Trolley Hoist

Features:

1. Brushless DC motor (BLDC):
2. Double brake Protection: Electronic brake + mechanical brake.
3. With Automatic Cable Arrangement Device.
4. 18V / 36V power supply is equipped with 2.0Ah or 4.0Ah battery pack and charger.
5. Small size and light, portable to carry, convenient to installation and operation.
6. With Safety Bracket, Up/Down position limit device.
7. Operating Switch with Emergency-Off Function.





18V

Innovation Patented

DC Cordless Winch

Model:	YT-RERW-DCWC1000
Motor:	Brushless Motor
Power supply:	18V Li-ion battery
Pulling capacity:	450kg / 1000 lbs
Pulling speed:	2 m/min
Wire rope length:	6.0 m
Rope diameter:	6.0mm

Features:

1. Brushless Motor: high efficiency and maintenance-free, can work continuously for a long time.
2. Dual Brake Protection: Electronic Brake + Mechanical Brake provides 100% safety assurance.
3. 30% Duty Cycle, A2 16000 full load cycles.
4. Multiple Intelligent Protections: Over-voltage, Under-voltage, Over-temperature, Limited load, strictly comply with safety regulations.
5. Upper and lower limit switch for safety.
6. Oversized loading hook with safety latch.





6000 LBS DC BATTERY WINCH



18V

Innovation Patented

DC Battery Winch



12000 LBS DC BATTERY WINCH

Model:	YT-RERW-DCWC1000
Motor:	Brushless Motor
Power supply:	18V Li-ion battery
Pulling capacity:	450kg / 1000 lbs
Pulling speed:	2 m/min
Wire rope length:	6.0 m
Rope diameter:	6.0mm

Features:

1. The DC Battery Winch is engineered to provide users the ideal combination of power, speed, innovation, and convenience.
2. Use of Brushless DC Motor as a drive instead of the traditional winch that requires car power access, which is simple and convenient.
3. Applying DC Brushless Motor, maintenance-free, longer life.
4. Available in 6000 lbs. & 10,000 lbs. capacity of raw pulling power.
5. Ergonomic pull-and turn clutch handle.
6. Heavy duty clevis winch hook.
7. An IP54 rating for dustproof and waterproof operation.
8. Aluminum hawse fairlead (synthetic rope).
9. Clockable gearbox
10. 100% full load holding automatic Mechanical brake and Electronic brake
11. With Both Wire and Wireless remote type



230V or 120V
Innovation Patented

Portable

Electric Cable Hoist

Features:

1. Brushless Motor: high efficiency and maintenance-free, can work continuously for a long time.
2. Dual Brake Protection: Electronic Brake + Mechanical Brake provides 100% safety assurance.
3. 30% Duty Cycle, A2 16000 full load cycles.
4. Multiple Intelligent Protections: Over-voltage, Under-voltage, Over-temperature, Limited load, strictly comply with safety regulations.
5. Upper and lower limit switch for safety.
6. Oversized loading hook with safety latch.

Portable

Electric Cable Hoist



Work Duty: ED 30%
A2 / 16000 Full load cycles

Model:	YT-RERW-XJG 230	YT-RERW-XJG 300	YT-RERW-XJG 360	YT-RERW-XJG 500
Voltage(V):	220~240	220~240	220~240	220~240
	110	110	110	110
Lifting Capacity(kg):	230	300	360	500
Lifting Heighting(m):	30	30	30	30
Lifting Speed(m/min):	9.0 - 14.0	9.0 - 14.0	8.0 - 12.0	8.0 - 12.0
Cable Diameter(mm):	4.0	4.5	5.0	6.0
Duty rating ED:	30% Duty Cycle	30% Duty Cycle	30% Duty Cycle	30% Duty Cycle
	A2 / 16000 full load cycles	A2 / 16000 full load cycles	A2 / 16000 full load cycles	A2 / 16000 full load cycles
G.W(kg):	23	26	30	34



Intelligent

Electric Chain Hoist



Innovation Patented
230V or 120V

Model:	YT-RERW-XFD 125	YT-RERW-XFD 300
Voltage (V):	220~240	220~240
	110	110
Rated Power (W):	500W	920W
Max Rated Current (A):	2.5A (220V)	4.0A (220V)
	5.0A (110V)	7.5A (110V)
Max Rated Load (kg):	125	300
Accuracy of Weight:	0.1%	0.1%
Max Lifting Height (m):	3	3
Max Lifting Speed (mm/s):	50	66
Min Lifting Speed (mm/s):	5	5
Chain (mm):	4.0 * 12	5.0 * 15
Duty Classes:	M5	M5
Duty Cycle:	60% Duty Cycle	60% Duty Cycle
	A2 / 16000 full load cycles	A2 / 16000 full load cycles
Protection Class:	IP 54	IP 54
G.W. (kg):	12	14

Work Duty: ED 60%
A2 / 16000 Full load cycles

Features:

1. Brushless motor: high efficiency and energy-saving, can work continuously for a long time.
2. Dual Brake Protection: Electronic brake + Mechanical brake dual brake system, much more safety.
3. Infinitely Variable Speed / Speed Controlled, suitable for accurate positioning applications.
4. OLED Super large screen intelligent display various working status, its accuracy can reach 0.1%.
5. Optical induction function is allowed to move the load only after the operator holds the handle to prevent accidental contact.
6. Power off protection function: the intelligent system is detected immediately to start the brake when the power outage occurs.
7. Communication interrupt protection: the smart system starts the brake immediately when the smart handle is interrupted.
8. Overload protection: With real-time weight detection and display function and anti -rebound function.
9. Both Handle Mode & Load Mod.



Innovation Patented

Portable Lifting Trolley

Features:

Combine Chain Block with moving Trolley to facilitate installation and operation.

Trolley Specifications

Model:		KLT150	KLT250	KLT350
Capacity(kg):		150	250	350
Standard Lift(m):		3	3	3
Load Chain(mm):		Φ6*18	Φ6*18	Φ6*18
I-Beam(mm):		100-203	100-203	100-203
Dimensions(mm)	A	300	300	300
	B	196	196	196
	D1	Φ57	Φ57	Φ57
	D2	Φ78	Φ78	Φ78
	H	25	25	25
G.W.(kg):		16.8	16.8	16.8





Zhejiang Yongtian Mech&Elec Manufactured Co, Ltd
浙江永天机电制造有限公司
Add: No. 28, Mingyuan Rd, Economic Development Zone,
Yongkang, Zhejiang 321300, China

whatsApp: +86 13738967923
Email: slaes@yongtian.com
Http: www.yongtian.com
Facebook: Yongtian-Lifting
Youtube: YONGTIAN LIFTING

