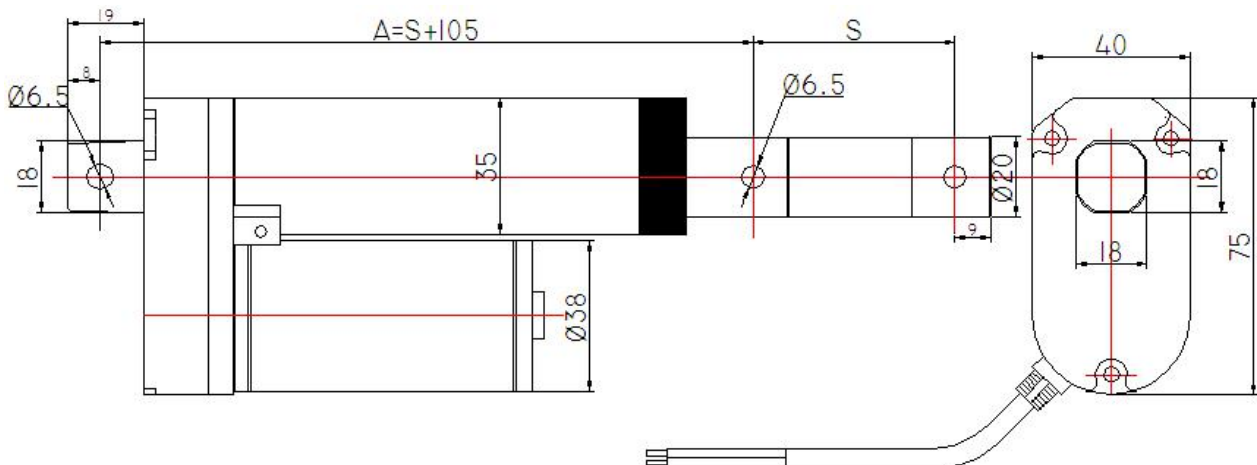


# ECO-WORTHY LINEAR ACTUATOR



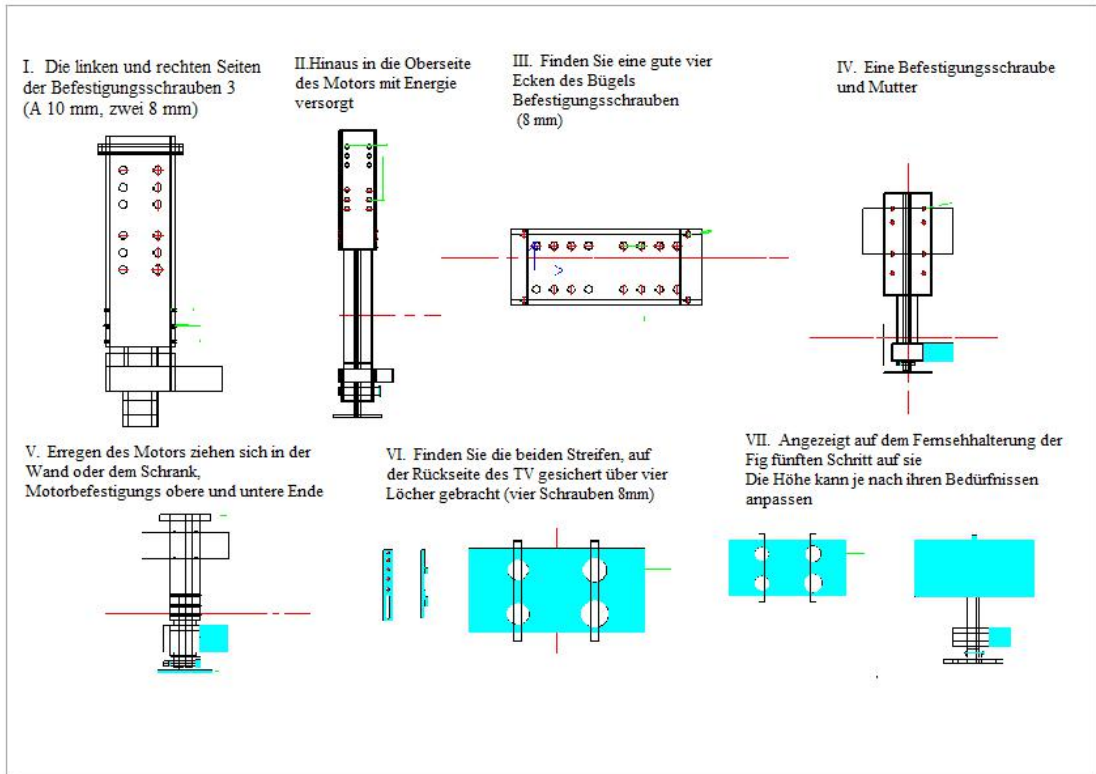
SPECIFICATIONS	ECO-50	ECO-100	ECO-150	ECO-200	ECO-250	ECO-300	ECO-350	ECO-450
Stroke Length	50mm	100mm	150mm	200mm	250mm	300mm	350mm	450mm
Rated Load	1000N							
Travel Speed (Max)	14mm/s							
Rated Voltage	12VDC							
Rated Current	3Amps							
Limit Switches	Fixed Inner ( not Adjustable )							
Operation Temperature	-20°C to +65°C							
Protection Class	IP65							
Duty Cycle	25%							
Noise Level	<=50dB							



## INSTALLATION

**WARNING:** 1. The load added onto the actuator must be less than or equal to the rated load of actuator.  
2. Install actuator so the force of the load acts in the center of the extension tube and the rear mounting adapter.

- Mount the actuator by securing the top and bottom mounting holes to two fixed positions. The stroke length of the actuator (e.g. 12 inches) and the limitations of the particular application will determine the location of the fixed mounting positions.  
**IMPORTANT:** Confirm that the two-way movement of the linear actuator is smooth and within the actuator's stroke length after it has been installed. Additionally, confirm that no obstacles exist along the travel path of the actuator.
- Secure the top and bottom mounting holes of the linear actuator onto the two mounting fixtures using 5/16" diameter bolts.
- Connect the red wire to the positive post and the black wire to negative post of the DC power supply.
- The operation of the linear actuator should be tested manually after the installation is completed.  
Users should use caution to ensure that:
  - The travel distance of the actuator satisfies the requirement of the structural design.
  - The extended and retracted limit switches operate normally (The limit switches should stop the motor when the extension tube is fully retracted or fully extended)
  - If the motor runs too slow or does not give full force, (1) the power supply is insufficient and needs to be increased or (2) the load being applied to the actuator is too great and needs to be reduced to less than or equal to 225 lbs.

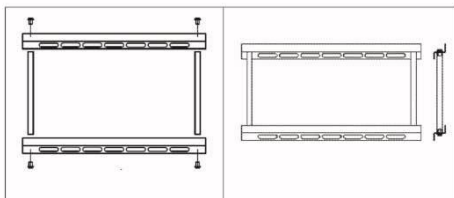


### B. Packing list

Hardware Section	
01 Lifting Column	-----1PCS
02 TV Mounting Seat	-----1PCS
03 TV Bracket (vertical)	-----2PCS
04 TV Bracket (transverse)	-----2PCS
05 TV Bracket connecting rod	-----2PCS
Control Section	
06 Control Box	-----1PCS
07 Remote Controller	-----1PCS
08 Transit line A	-----1PCS
09 Power Adapter	-----1PCS
10 Power Line	-----1PCS
11 Transit line B	-----1PCS
Accessory Package	
12 Bolt+Nut M8x20	-----4PCS

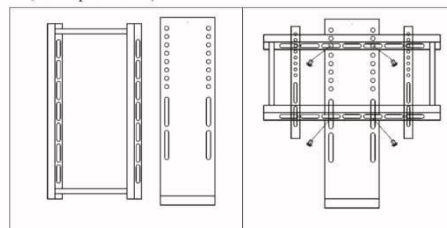
### C. How to install the desk.

1. Connect two TV bracket (transverse) with TV bracket connecting rod.

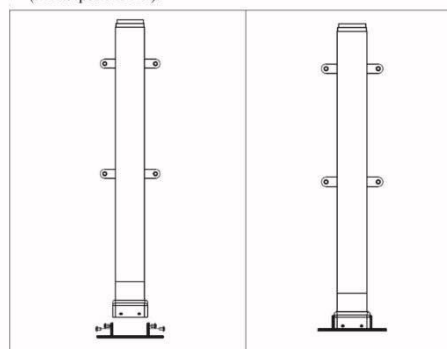


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2. Install frame to TV Mounting Seat with bolt + nut (Parts: 4pcs M8x20).

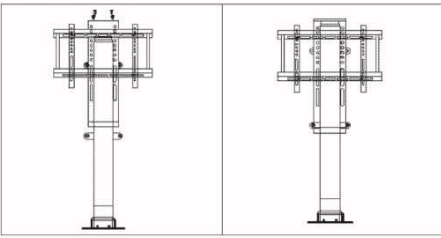


3. Install base to Lifting Column (Parts: 4pcs M6x12).

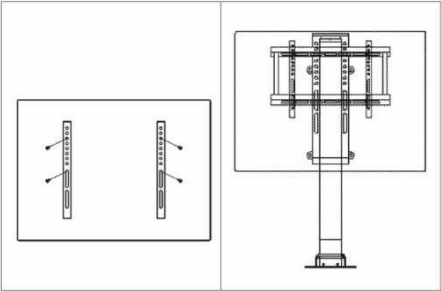


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4.Install TV mounting seat to lifting column with bolt  
(Parts:4pcs M6x10)



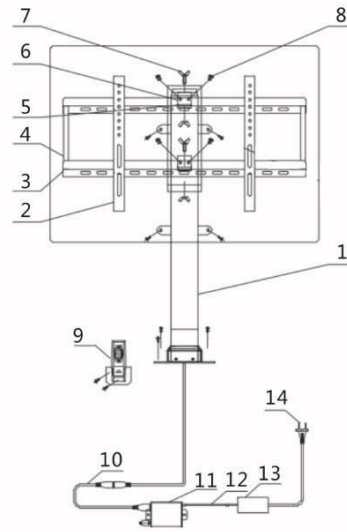
5.Install TV bracket (vertical) on the back of the TV with bolt.  
Then hang TV on the upright column through the installed bracket.  
(Parts:4 pcs M6x10),( Suitable for TV size 32~70 inches)



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**32-70 Inch TV LIFT Assembly Instructions**

**Assembly Diagram**



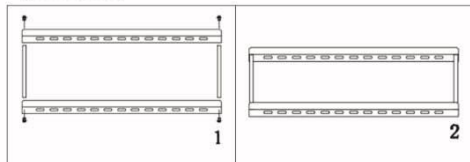
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**B.Packing list**

- 01. Lifting Column -----1PCS
- 02. Vertical Frame -----2PCS
- 03. Transverse Beam -----2PCS
- 04.Connecting Link -----2PCS
- 05.Connector A -----2PCS
- 06.Connector B -----2PCS
- 07.Manual M8x25 -----2PCS
- 08. M8x10 -----4PCS
- 09. Remote Control -----1PCS
- 10.1.1m Six Core Patch Cord-----1PCS
- 11.Control Box-----1PCS
- 12.Patch Cord -----1PCS
- 13.AC Adapter-----1PCS
- 14.Power Wire -----1PCS

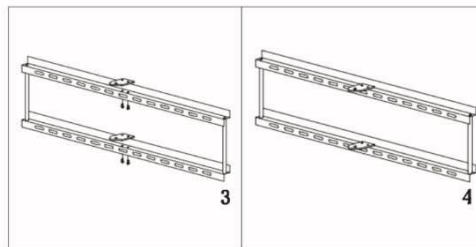
**C.How to install the desk.**

1. Connect two transverse beams with connecting link.  
(Pic1 and Pic2)

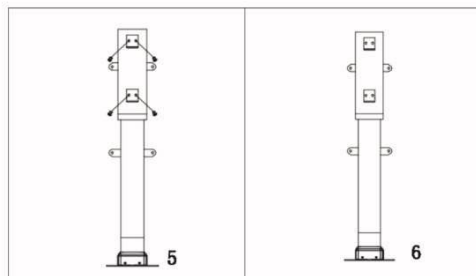


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2.Install the Connector A to TV Frame\* (Pic3 and Pic4)  
(Parts:4pcs M6x10).



3:Install the Connector B to Lifting Column. (Pic5 and Pic6)  
(Parts:4pcs M8x10)



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