

CT50
Series

AI-Powered Stair Climbing Robot

Fully automatic operation
Intelligent path correction
Self-Balancing stability system
Seamless platform transition

202601

*The product shall be subject to the final delivered instruction manual.



CT50

Load capacity(kg)	420
Weight without battery(kg)	100
Speed(steps/min)	18
Upstairs endurance(steps)	840~907
Downstairs endurance(steps)	1785~1890
Min. platform size(mm)	U-shaped: 2000x1300 L-shaped: 1100x1200
Step height(mm)	Height≤210
Min. turning radius(mm)	Crawler track mode: 850 Flat ground mode: 905
Ditch crossing(mm)	Crawler track mode≤350
Max. slope(°)	≤40
Sensor types	LiDAR, gyroscope
Battery parameters	Lithium battery 48V 10Ah
Size(mm)	632 * 1168 * 411(Folded) 632 * 1030 * 1020~1244(Unfolded)
Advantages	Fully automated operation Balanced load without sway Stair climbing with deviation correction Smooth and stable platform transition One-key posture switching

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