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Smart Rollator Walker JC35LT5



TECHNOLOGY
DRIVES INTELLIGENT LIFE

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Data sheet

JC35LT5

JC35LT5 is a power-assisted product designed primarily for the rehabilitation and elderly care industries. The product features dual brushless motor intelligent control, sensor-recognized road condition technology, handlebar induction technology, and voice prompt technology to provide users with a comfortable and safe travel experience.



Features

- Compact structure which can be installed on most rollators on the market;
- Multi-batteries can be stacked to prolong cruising range;
- Rich product series to meet different application and market needs;
- Default safety configuration of slope recognition;
- More intelligent and smoother walking assistance;
- Split packaging for easy and fast assembly;
- Customized multi-functional development

Special Function

- Intelligent identification of uphill and downhill slopes
- Automatic tipping alarm
- High handlebar recognition sensitivity
- Multiple protections
- Automatic kinetic energy recovery

Usage

- Operating temperature: +0°C to +40°C
- Storage temperature: -10°C to +50°C .
- Relative humidity: 20% to 80% (non-condensing) .
- Atmospheric pressure: 860 to 1060hPa.
- Altitude:Maximum 2000m

Technical Specifications

Table 1: Technical Specifications

Lithium-ion battery box	25.9V, 2.6Ah (most 2 batteries can be in parallel to 5.2Ah)
	Protection class: Max. IPX6
	Dimensions: 179*90*45.8mm
	Weight: Approx. 0.5Kg
Driving wheels	Standard/High power optional
	Wheel Size: 8 inches
	Protection class: IPX4
	Weight: Approx. 2.1Kg (Standard Power) / Approx. 3.4Kg (High Power)
Control Box	Interface: DC charging port, type-c data port
	Protection class: Max. IPX6
	Dimensions: 179*71.9*175.7mm
	Weight: Approx. 0.6Kg
Handset	Interface: DC charging port
	Display: Touch screen
	Protection class: Max. IPX6
	Dimensions: 52*74.9*88.7mm
	Weight: Approx.0.1Kg
Input Power	Adapter: 29.4V/1A
Handle	Mounting hole: ϕ21.5mm
Cable	Length: can be customized
	Protection class: IPX6
Service Life	≥3 years
Cruising range	≥10Km for single battery & standard power motor

Configuration specification

Table2：Recommended Configuration Table for Different Applications

Mode	Application	Recommended Model
Walk Mode	Power assistance (light load)	100S / 111S
Resistance Mode	Rehabilitation training (resistance)	200S / 211S
Push Mode	Manned travel (heavy load)	310D / 311D

Note: The maximum load allowed by the Assistance Model is 20kg, and the maximum load allowed by the Push mode is 100kg; Exceeding the load will greatly affect the usage experience.

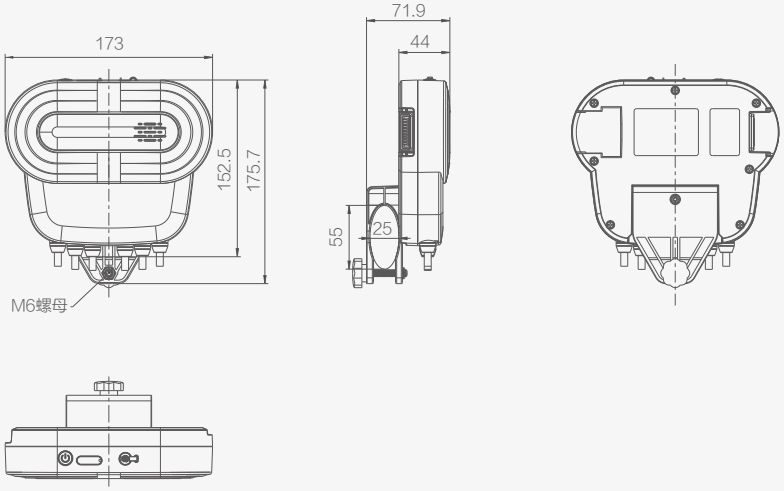
Table 3. Configuration Selection table (Note: ●: Standard, ○: Optional, / : None)

Model	Driving wheel		Control Box		Battery	Handset		Extension Modules		
	Standard Power	High Power	Standard Power	High Power	Quantity	2.0-inch LCD	Handlebar Sensor	BLE	GPS module	4G-cat 1
100S	●	/	●	/	1	/	●	○	/	/
111S	●	/	●	/	1	●	●	●	●	●
200S	/	●	●	/	1	/	●	○	/	/
211S	/	●	●	/	1	●	●	●	●	●
310D	/	●	/	●	2	●	●	○	/	/
311D	/	●	/	●	2	●	●	●	●	●

Dimensions

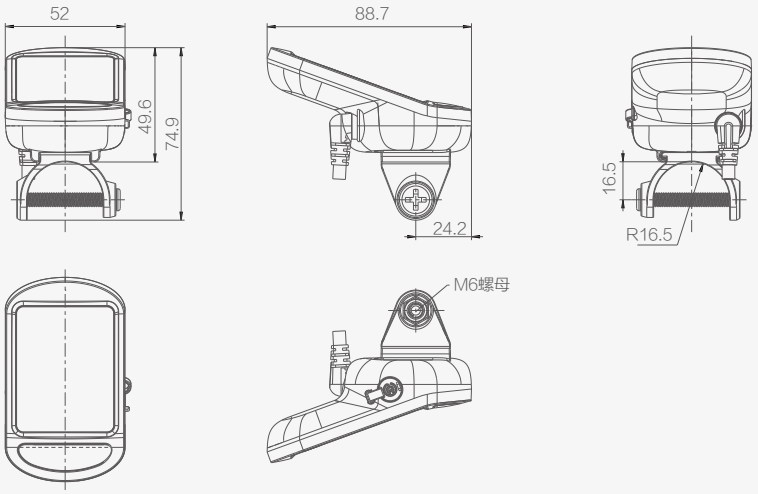
Control box





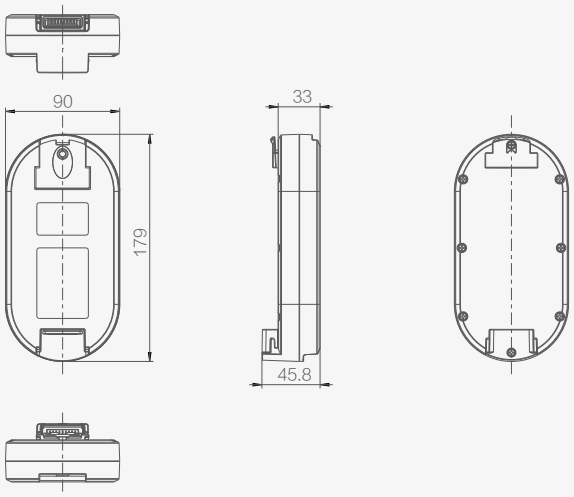
Handset



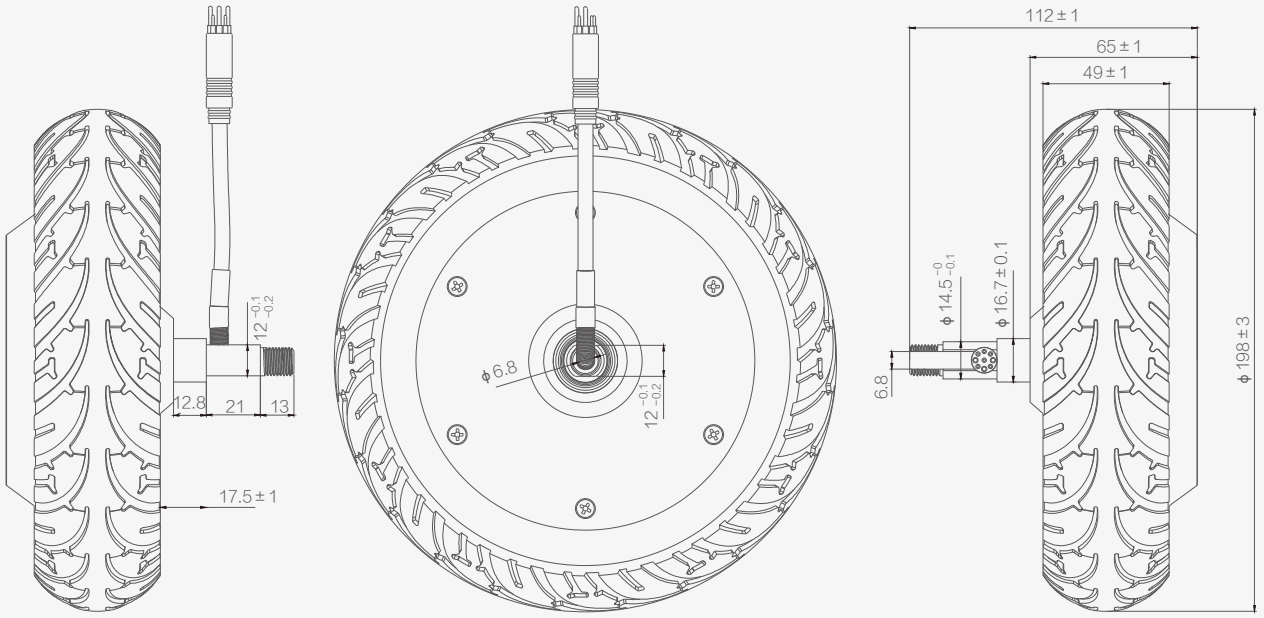


Battery

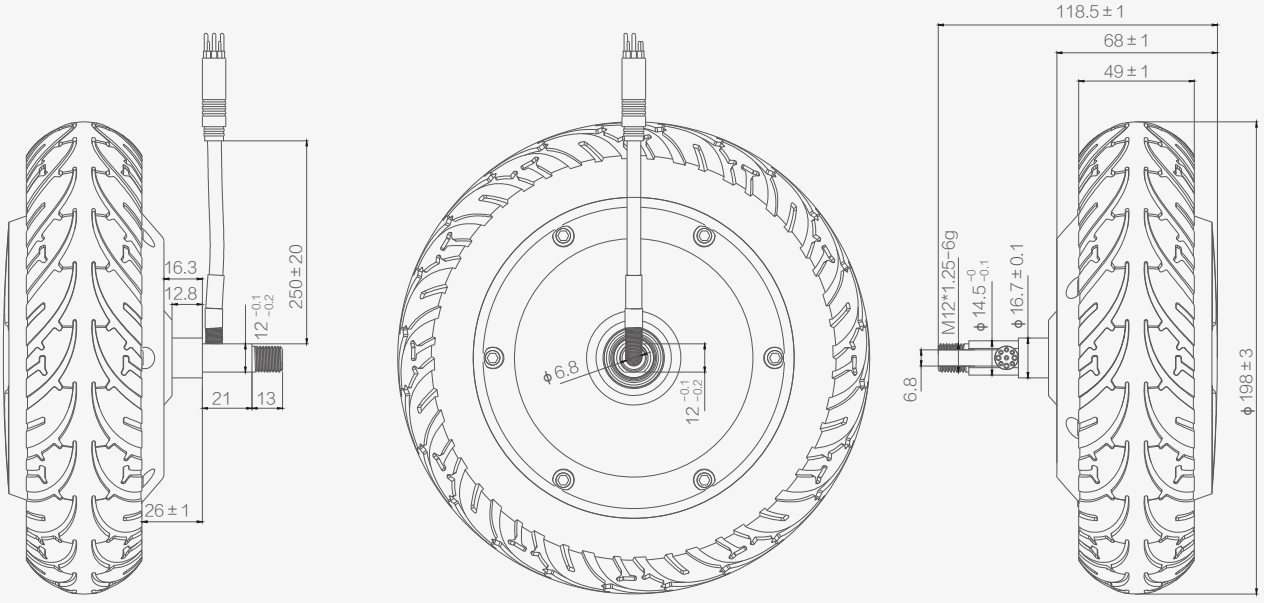




Driving Wheel - Low-power overall dimensions diagram



Driving Wheel - High-power overall dimensions diagram



System Connections

System diagram- Model 100S / 200S



System diagram- Model 111S / 211S / 310D /311D



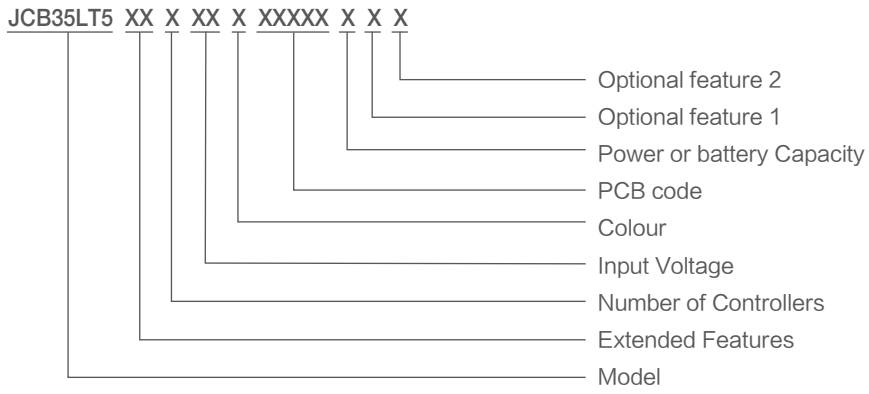
Ordering Key

Control box

Model	JCB35LT5	Smart Rollator Walker Control Box
Extended Features	XX	With battery, with microchip
Number of Controllers	X	2 Controllers
Input Voltage	XX	24V
Colour	X	Black
PCB code	XXXXX	Specific Code
Power or battery Capacity	X	No power or no battery
Optional feature 1	X	0=Without BLE; 1=With BLE
Optional feature 2	X	0=Without GNSS and 4G; 1=With GNSS and 4G

Note: Please contact the sales in advance to confirm the product model and specification configuration.

For example

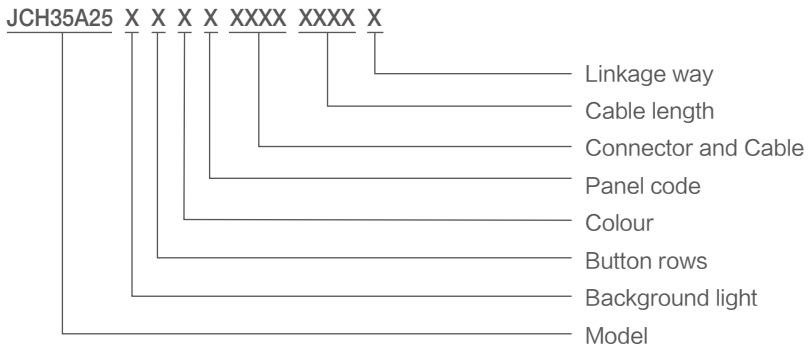


Handset

Model	JCH35A25	Smart Rollator Walker Handset
Background light	X	without background light
Button rows	X	1
Colour	X	Black
Panel code	X	None
Connector and Cable	XXXX	6Z6G
Cable length	XXXX	0.63m
Linkage way	X	No linkage

Note: Please contact the sales in advance to confirm the product model and specification configuration.

For example

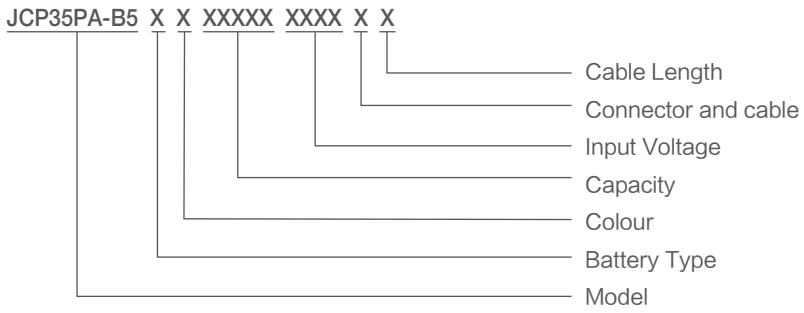


Battery

Model	JCP35PA-B5	Smart Rollator Walker Battery
Battery Type	X	with lithium batteries
Colour	X	Black
Capacity	XXXXX	2.6AH
Input Voltage	XXXX	25.9V
Connector and cable	X	/
Cable Length	X	/

Note: Please contact the sales in advance to confirm the product model and specification configuration.

For example



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