Technical Data

Basic Parameters	Manufacturer's type designation		agvlcbd20-mgj1
	Rated Load Capacity	kg	2000
	Load Center Distance	mm	600
	Rated Lift Height (h4 + h1)	mm	205
	Overall Weight (including battery)	kg	398
	Lifting Height (h4)	mm	120
Dimensions	Wheelbase	mm	1262
	Dimensions (L × W × H)	mm	1724*688*2021
	Right-angle Aisle Width (AST)	mm	2336
	Minimum Turning Radius (Wa)	mm	1535
	Minimum Ground Clearance (m1)	mm	30
	Minimum Ground Clearance of Fork Upper Surface (h1)	mm	85
	Fork Length (l)	mm	● 1150; ○ 1220, 1400, 1500
	Fork Width (e)	mm	● 560; ○ 680, 810
	Fork Thickness (s)	mm	50
Navigation Performance	Navigation Method		3D LiDAR
	Navigation Positioning Accuracy	mm	±15
	Navigation Angular Accuracy	°	±1
Motion Performance	Drive Mode		Horizontal Steering Wheel
	Travel Mode		Forward, Reverse, Turning
	Braking Method		Electromagnetic Braking
	Maximum Travel Speed	mm/s	1500
	Lifting Speed	mm/s	250
	Lowering Speed	mm/s	20
	Maximum gradeability (No Load)	%	5
Network Configuration	2.4 GHz Wi-Fi		●
	5.8 GHz Wi-Fi		●
Safety & Protection	Front Obstacle Sensor (LiDAR)		●
	3D Stereo Vision Protection (3D Camera)		●
	Bumper Strip		○
	Emergency Stop Button		●
	Audible and Visual Alarm		●
Power System	Battery Type		Lithium Battery
	Voltage	v	48
	Capacity	Ah	30
	Charging Time	h	1
	Operating Time under Rated Conditions	h	4-5
	Charge/Discharge Cycles	times	3000
	Charging Method		Battery Swap
Optional Functions	Front and Rear Top Lights		●
	Battery Heating		●
	APP Upgrade		●
	Multi-Vehicle Communication		○
Human-Machine Interaction	Screen Display		●
	Screen Operation		●

Note: ● Standard; ○ Optional

HANGCHA GROUP CO., LTD.

Factory site: 666 Xiangfu Road, Hangzhou, Zhejiang, China (311305)

Tel: +86-571-88926735 88926755
Fax: +86-571-88926789 88132890

sales@hcforklift.com **www.hcforklift.com**

Follow us on Facebook

Follow us on YouTube

Follow us on WeChat

Download "Hangcha Forklift" App

ISO45001:2018 ISO14001:2015 ISO9001:2015

AUTOMATED GUIDED VEHICLE

HANGCHA

EZ-GO

MINI PALLET TRUCK

With capacity of 2,000kg

CUTTING-EDGE INTELLIGENT DESIGN DRIVES AN EFFICIENT FUTURE

Minimalist Aesthetics, Touching Myriad

EZ-GO is a material-handling AGV, whose overall design centers on a sense of futurism and technological vibe, presenting an entirely new visual expression. Its frontal design draws inspiration from the "Wild Ox": through clean and smooth lines, it outlines a compact yet powerful silhouette, integrating industrial aesthetics with modern texture.

The name "EZ" is a homophone of "easy", signifying easy implementation and simple operation; "GO" represents rapid launch. Together, the name conveys that in the AI-driven context of Industry 4.0, our product can deliver value and an optimal experience to customers with its image of convenience and intelligence.

- Quick to launch
- Ready to use after only half a day of training
- No on-site modification required
- Low cost

Product Advantages

Following the "Automation Ladder Theory"

Providing a "transitional solution" for customers who are not yet ready for fully autonomous AGVs: Small and medium-sized enterprises can achieve an automation start from 0 to 1 through EzGo.

Dynamic Path Planning, Intelligent Obstacle Avoidance

Multi-sensor Fusion: Effectively identifies obstacles and navigates around them, minimizing changes to existing usage habits while ensuring efficient operation.

Workshop Automatic Communication, Intelligent Traffic

Within 5-10 Meters: Vehicles mutually exchange planned path information, enabling orderly traffic merging.

Rapid Battery Swapping

Rapid Energy Replenishment: Lithium Iron Phosphate Battery, Replaceable quickly with one person using one hand.

DELIVERING UNPARALLELED ROBUSTNESS

With high power drive motor, provides fast travel speed and good gradeability.

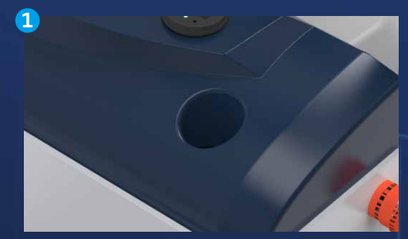
Travel speed ▼	Lift speed ▼	Max. gradeability ▼
1.5m/s	0.25m/s	5%

THE FUTURE
LOOKS FAMILIAR

EZ-GO deeply integrates the concepts of ergonomics and technological aesthetics into its structural design, while balancing the unity of functionality and visual experience.

Appearance

The overall vehicle design adopts streamlined curved surfaces and rounded chamfers, which effectively softens the sense of sharpness at the edges, enhances visual softness, and allows it to present a more natural, approachable and modern external form in diverse application scenarios.



Humanized Detail Consideration

A built-in Cup Holder allows operators to place cups or documents at any time.

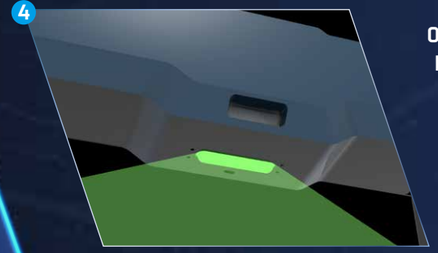
Scientifically Laid-out Control Components

Core components enable rapid disassembly and assembly, thus cutting maintenance costs and boosting O&M efficiency.

3

Modern LED Turn Signal Light Strip

Integrated with the "Wild Ox"-styled main unit, it boasts a sharp exterior.



Optimized Design of Status Indicator Lights

The indicator lights face downward, ensuring the maximum visible range and thus enhancing operational safety and operational intuitiveness.

Touchscreen

All operations can be completed on the touch screen.

"Wild Ox"-Inspired Dynamic Exterior

Its power-infused styling, combined with a robust body, showcases strong load-bearing capacity and stable performance.

Modular Maintenance Design

The control buttons and joysticks are reasonably arranged, enhancing operational precision and efficiency.

THE 5 STRENGTHS
ONE POWERFUL LIFT

Product Configuration

Armrests and control components adopt an ergonomic scientific layout, which greatly optimizes operational convenience and field of vision, while significantly enhancing operators' comfort level and operational efficiency. The overall line design is simple and smooth, with natural and seamless structural connections, fully demonstrating the product's high-end quality and technological aesthetics.

1

RK3588

Computing Platform Powerful Computing Power, Handles Tasks with Ease

2

LASER NAVIGATION

No Feature Implementation Required, Optional 3D Radar

3

Steering Servo, Locomotion Control Sufficient Power, Precise Positioning

4

Visual Obstacle Avoidance AI Following

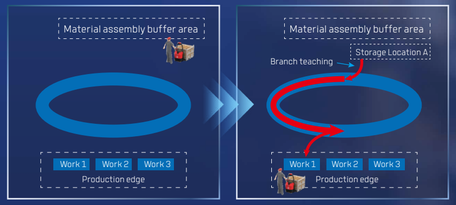
5

Laser Detection, Safe and Reliable

Autonomous | Precise | Efficient | Flexible | Safe | Reliable

REMOTE CONTROL AT YOUR FINGERTIPS.

Human-vehicle cooperation: complete manual positioning in 3 minutes, take effect in real-time.



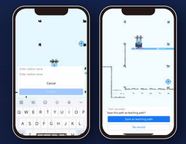
Business Scenario: Workers need to pick up goods from the buffer area and replenish them to the line-side workstations.

APP Introduction

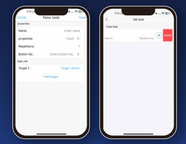
Supports remote updates for in-vehicle and APP software

Simple operation

Easier implementation, simple positioning, fast task execution



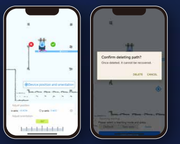
Manual positioning completed synchronously



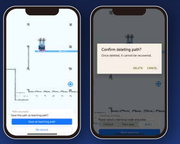
Configure tasks and launch with one click

Modifying convenient

Stations & routes visualized, easy deletion of abnormal data



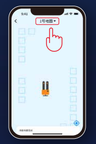
Site coordinate adjustment and deletion



Routes support CRUD operations

Multiple scenarios

Diversified task types adapt to multiple production scenarios



Creation and switching of multiple scenarios

Freely configure task types and operation attributes