

view at the front



view at the side



view at the back



- ◆ This AGV robot is especially designed and produced to transport PCB soldering pallet at the electronic manufacturing shopfloor.
- ◆ With tailored dimension, the AGV is suitable for SANMINA's soldering pallet and floor space.

- ◆ It can drive in 3 modes. Straight-line driving, Circle driving and Branch route driving. Flexible to support different production layout.
- ◆ Power supply in 2 ways. Lithium battery or DC charging. Long service life 3~5 years. Low maintenance cost.

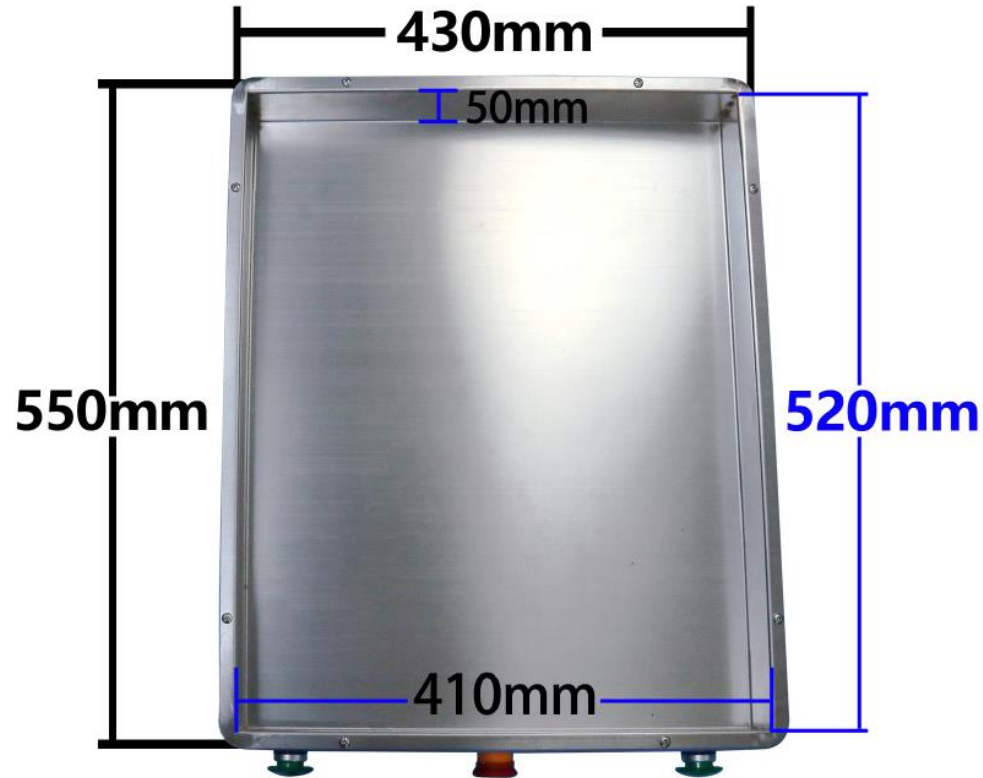
# Specification



<b>Brand/model</b>	<b>Southern Machinery: S-AGV60C</b>
Navigation method	Magnetic strips; forward and backward
<b>2 driving modes of standard configuration</b>	Straight-line driving + Turn circle driving
<b>1 driving mode of optional configuration</b>	Branch route driving
Max. loading capacity	60KG
Max. speed rate	20-45m/minute, adjustable(about 0.4 minutes to drive 17m for SANMINA)
<b>Min. RADIUS OF TURNING CIRCLE</b>	0.8m
Accuracy for stopping	2cm
<b>Power supply in 2 ways available</b>	Lithium Battery 24V20AH replacement and DC charging
Power life	Can drive more than 15 hours if fully charged
Standby time without any loading and driving	200 hours
Charging time	5 hours
<b>AGV outer dimension</b>	LxWxH=550x450x550mm
<b>Plate dimension</b>	LxWxH=520x430x50mm(where soldering pallet is placed)
AGV net weight	about 35KG
Parament setting	touch screen LCD or remote control
Drive	Brushless Motor Differential ratio
Sensors for obstacles detect	ultrasound 8 sensors in total

# Specification

**AGV Plate where soldering pallet is placed.**



Remote control	with 2 controls in the package
Station choice	AGV can stop at Max.20 target stations; RFID
Remaining power display	it is shown at the touch screen; alarm when lack of electricity
Spare parts included in the package	navigation strips 20m + 1x charger + 20 RFID cards+ 10 decelerating cards when turning
Warranty	AGV-1 year; Battery and charger-1 year

Remote control



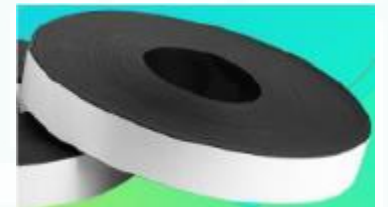
Charger



RFID cards



navigation strips

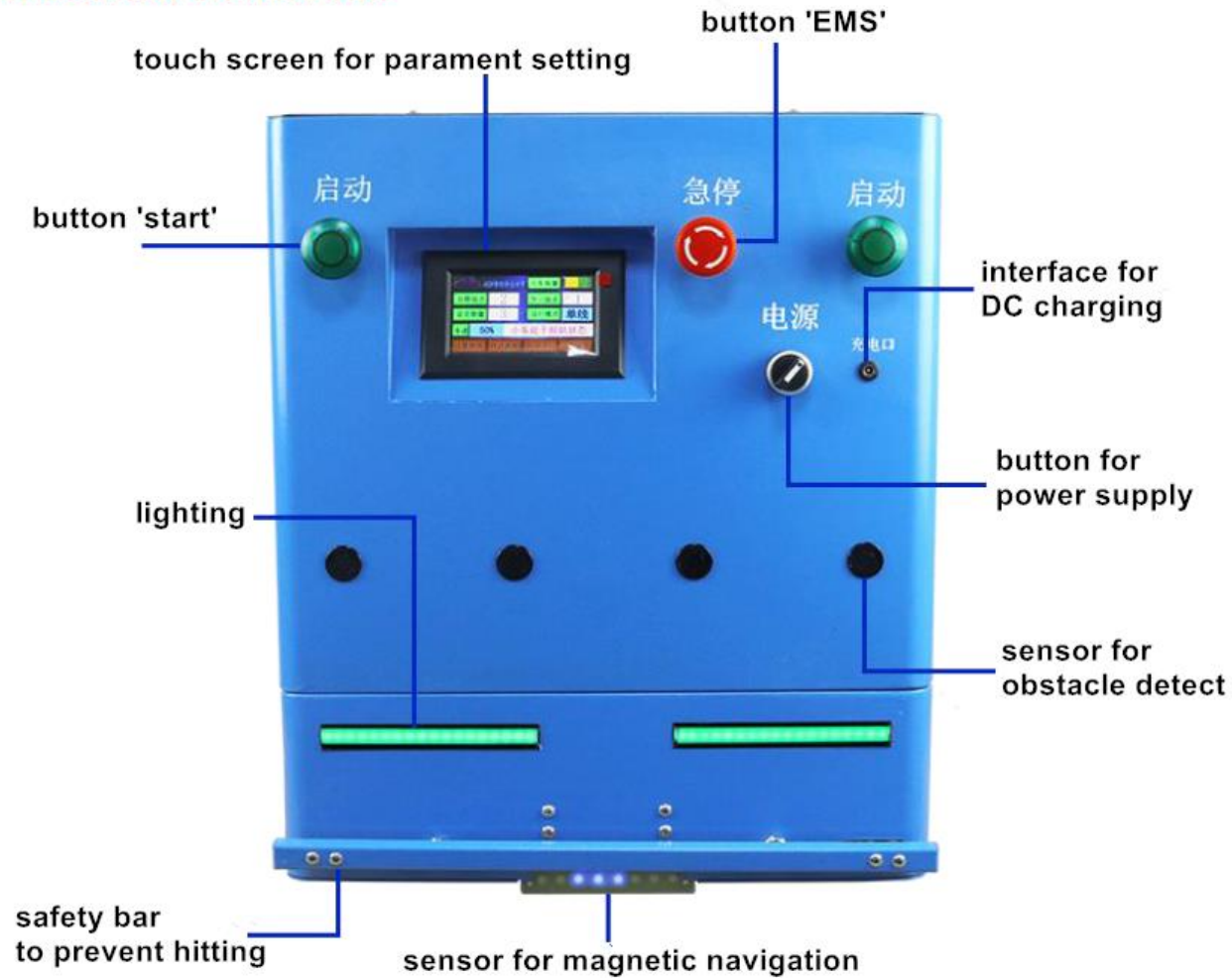


Comments: 1 Battery has already been installed in the AGV

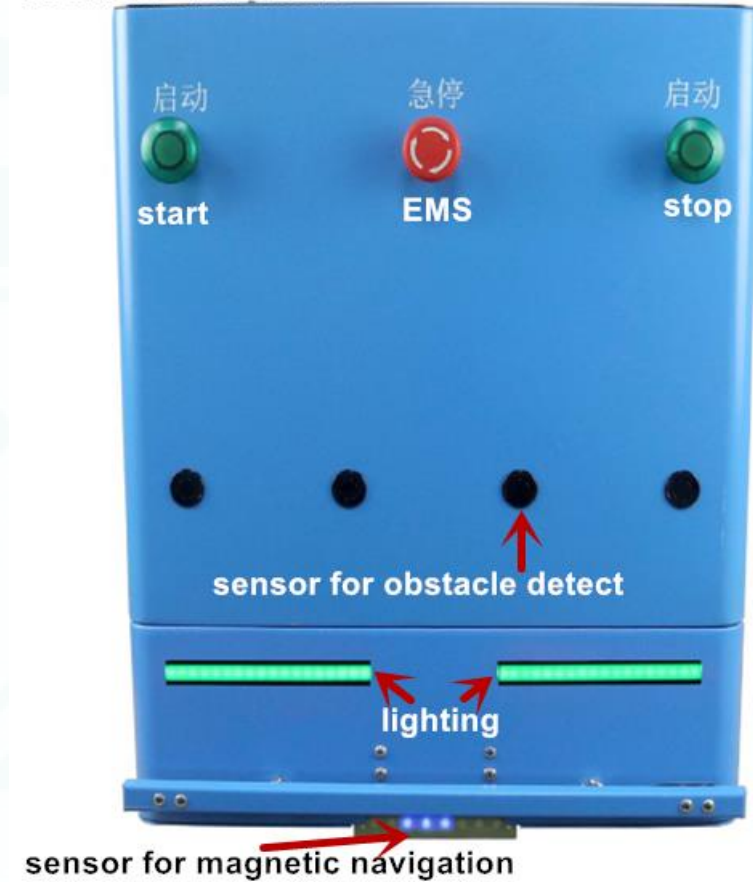
# Structure

Comments: all button and screen display can be in English.

## structure of the front side



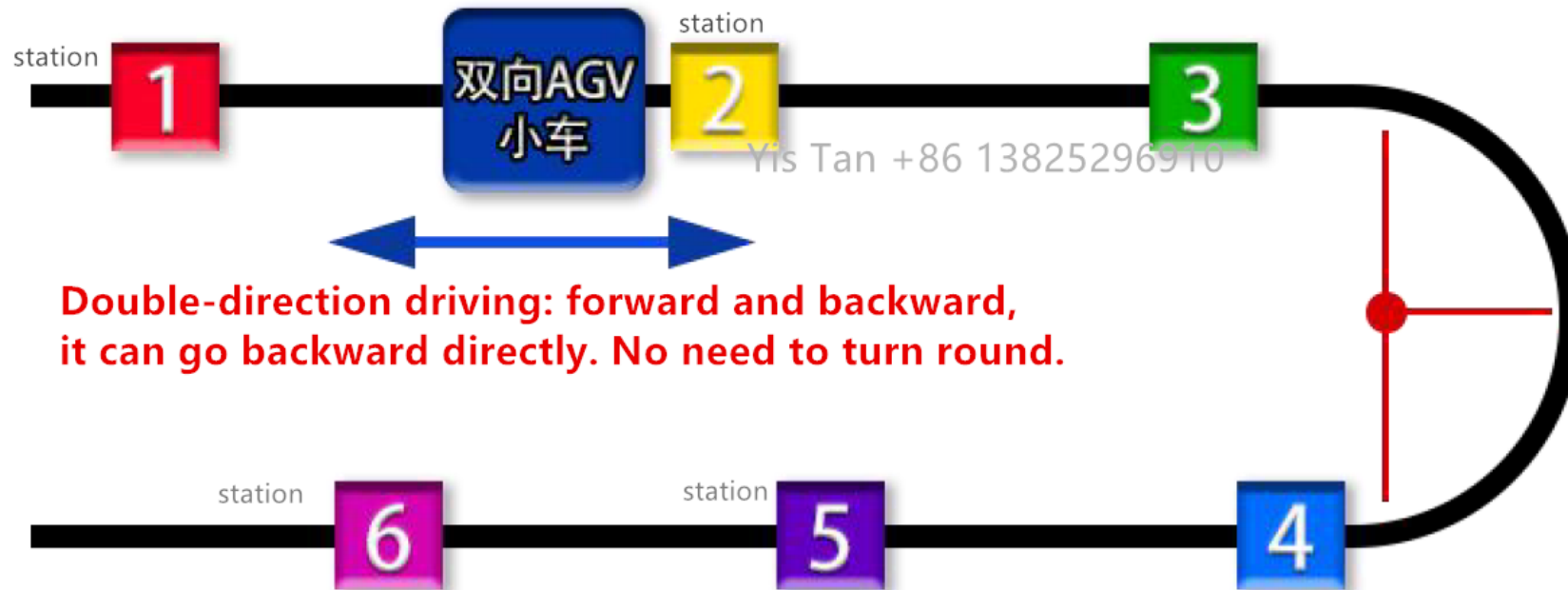
## structure at the back



# Detail Clarification

Standard configuration of driving modes includes 1 and 2  
Optional configuration is mode 3

## Mode 1: Straight driving in single line



Double-direction driving: forward and backward,  
it can go backward directly. No need to turn round.

It can stop at the target station as you do setting.  
Max.20 different stations

# Detail Clarification

Standard configuration of driving modes includes 1 and 2  
Optional configuration is mode 3

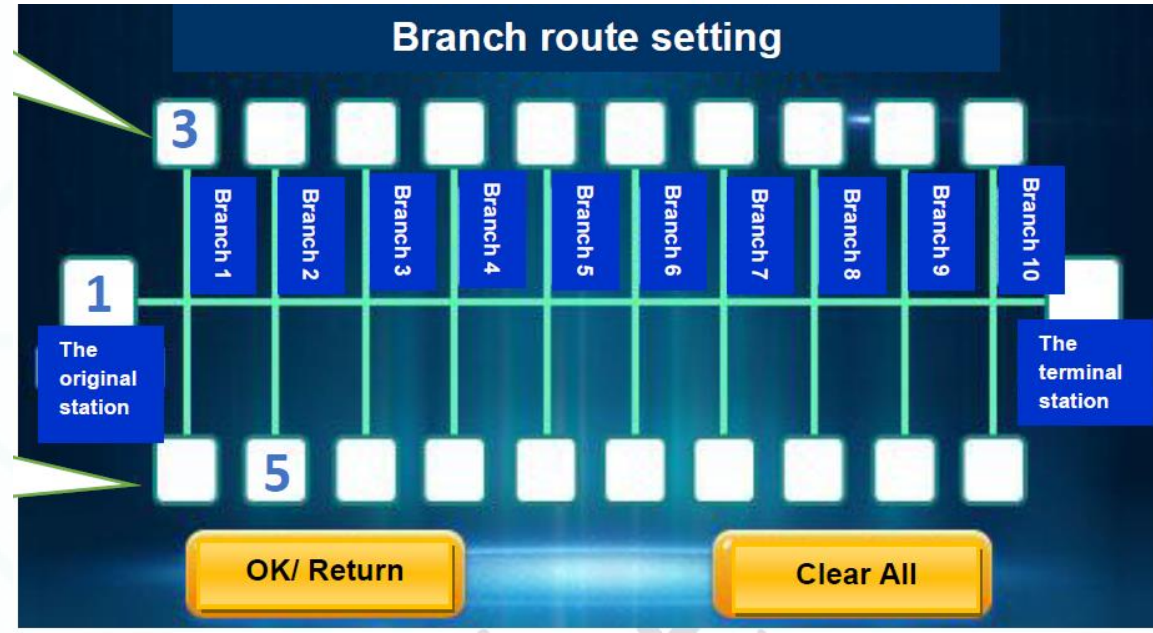
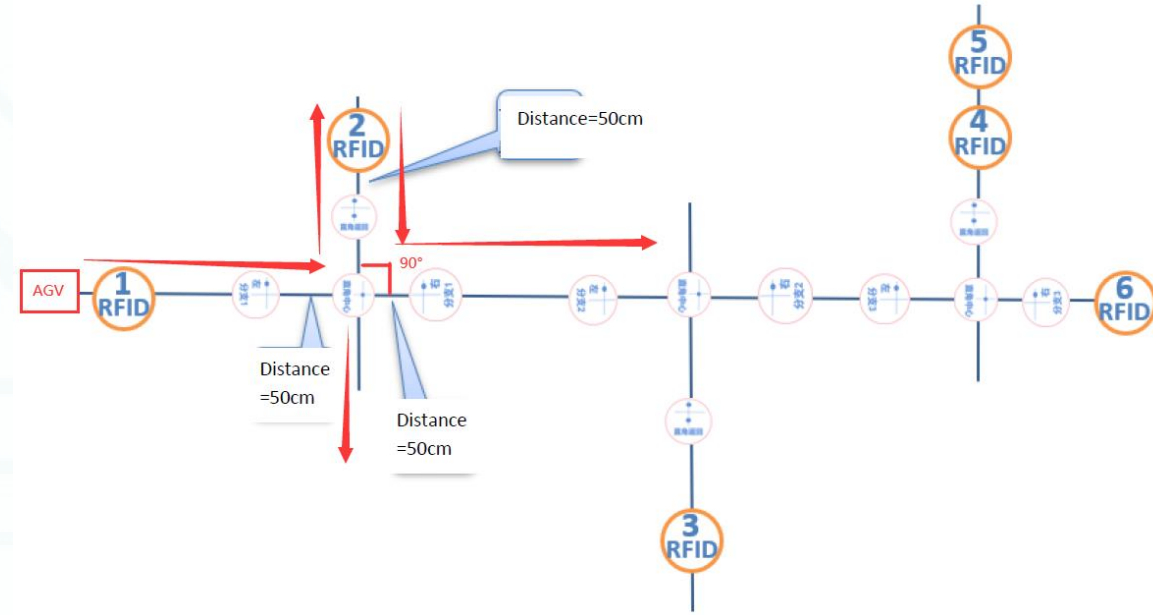
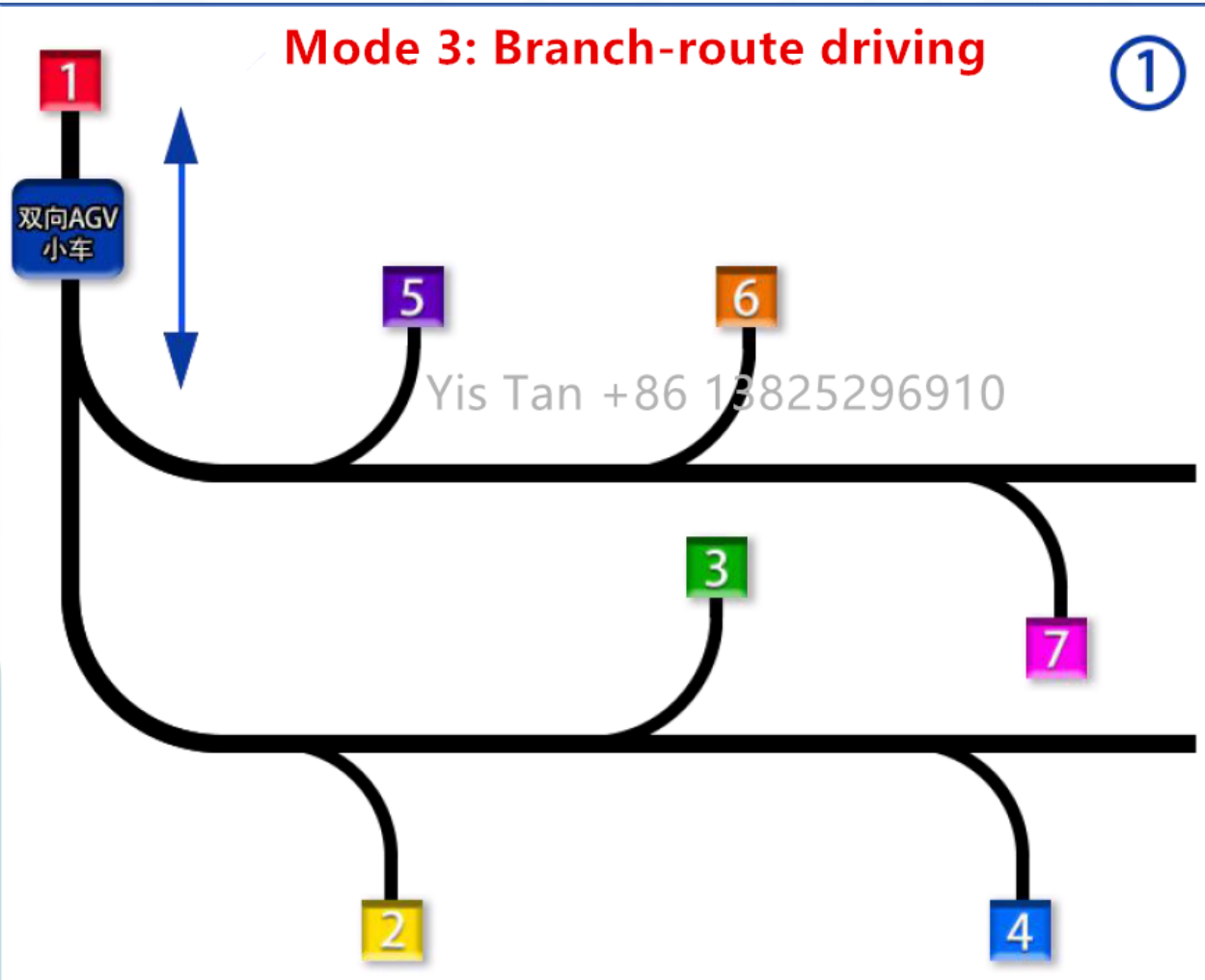
## Mode 2: Circle driving



# Detail Clarification

## Optional configuration is mode 3: Branch-route

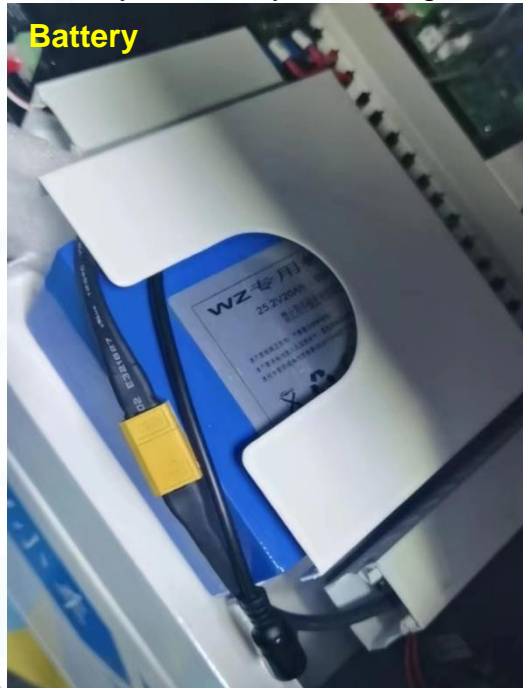
In this mode, you can do target settings to make AGV skip obstacles.  
 It is a wonderful driving optimization. Very flexible.  
 It can go turning at 90°(L type turning)



## Power supply in 2 ways available.

1. You can **take out the battery of AGV** and then the batter is being charged **off-line**. In this way, you can still put the AGV in use if you have one more battery to be installed in the vehicle. That is to say, 2 batteries are separately charged in turn. Time saving for changeover.

Warranty for battery and charger is 1 year.



Battery



Wire plug for the Battery

It can be made as EU standard.



Charger

2. You can also charge with the AGV directly(online). There is an interface for DC charging.



interface for DC charging



# Best After-sales service

- **7x24 Worldwide Support**
- **Free Installation/ Training**
- **1 day lead-time (spare parts)**
- **1 Month customize solution**



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