

# Electric Car Catalogue



**HANAR**  
YOUR HIDDEN PEARL

**2023**

[www.hanar.com](http://www.hanar.com)



# HANAR

# HANAR

## J1 Configuration

# J1

## Description

Short distance driving for shopping, daily commute, as family's second or third vehicle.

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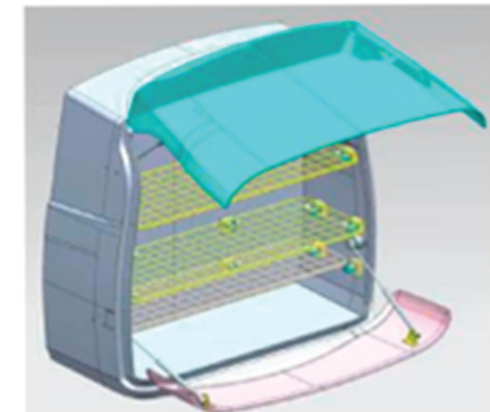
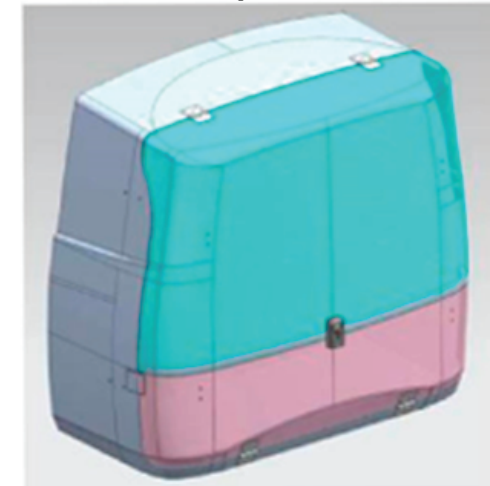


configuration	Item	J1
Parameter	L*W*H (mm)	2160*1150*1660
	Max. Speed (km/h)	45
	Max, range(km)	130
	Capacity (person)	2-3
	Curb Weigh (kg)	310
	Loading capacity (kg)	150
	Steering Mode	Handlebar
Power System	AC Motor	3000W
	Lithium Battery	105Ah LiFePo4 Battery
	Charging Time	3 hours with fast charger
	Charger	Intelligent Charger
Brake System	Type	Hydraulic System
	Front	Disc
	Rear	Disc
Suspension System	Front	Independent Double Wishbone
	Rear	Integrated Rear Axle
Wheel Suspension	Tyre	Front120.70-R12
	Rear	135.70-R12
	Wheel Hub	Aluminum Alloy Hub
Function Device	Multi-media	MP5+Reverse Camera
	Electric Heater	60V 800W
	Central Lock	Auto Level
	One Button Start	Auto Level
	Electric Door Window	2
	Seats	Leather



# HANAR

configuration	Item	J1-D
Parameter	L* W * H (mm)	2300*126*1700
	Max. Speed (km/h)	45
	Max, range(km)	115/200
	Capacity (person)	1
	Curb Weigh (kg)	360
	Cargo Box Size(mm)	532*1159*1050
	Hopper Size(mm)	532*1100*400
	Loading capacity (kg)	200
	Steering Mode	Handlebar
Power System	AC Motor	2200W/3000W
	Lithium Battery	105/206Ah LiFePo4 Battery
	Charging Time	3/6 hours with fast charger
	Charger	Intelligent Charger
Brake System	Type	Hydraulic System
	Front	Disc
	Rear	Disc
Suspension System	Front	Independent Double Wishbone
	Rear	Integrated Rear Axle
Wheel Suspension	Tyre	Front120/70-R12 Rear135/70-R12
	Wheel Hub	Aluminum Alloy Hub
	Function Device	Multi-media
Electric Heater		60V 800W
Central Lock		Auto Level
One Button Start		Auto Level
Electric Door & Window		2
Seats		Leather



## J1-D

Logistic and delivery for inner city or short distance transportaion.

## J1 - D

Logistic and delivery for inner city or short distance transportaion.

# HANAR



## J1-C

The delivery solution for the last mile of the city. Cold chain, takeaway, express delivery, logistics and supermarket distribution, etc., It is the short-distance cargo transportation vehicle.

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## J1-C

configuration	Item	J1-C
Parameter	L* W * H (mm)	2715*1180*1810
	Max. Speed (km/h)	45
	Max, range(km)	115/200
	Capacity (person)	1
	Curb Weigh (kg)	460
	Cargo Box Size(mm)	880*1180*995
	Hopper Size(mm)	880*1180*400
	Loading capacity (kg)	300
	Steering Mode	Handlebar
Power System	AC Motor	3000W/4000W
	Lithium Battery	105/206Ah LiFePo4 Battery
	Charging Time	3/6 hours with fast charger
	Charger	Intelligent Charger
Brake System	Type	Hydraulic System
	Front	Disc
	Rear	Disc
Suspension System	Front	Independent Double Wishbone
	Rear	Integrated Rear Axle
Wheel Suspension	Tyre	Front120/70-R12 Rear145/70-R12
	Wheel Hub	Aluminum Alloy Hub
Function Device	Multi-media	MP5+Reverse Camera
	Electric Heater	60V 800W
	Central Lock	Auto Level
	One Button Start	Auto Level
	Electric Door & Window	2
	Seats	Leather



# HANAR



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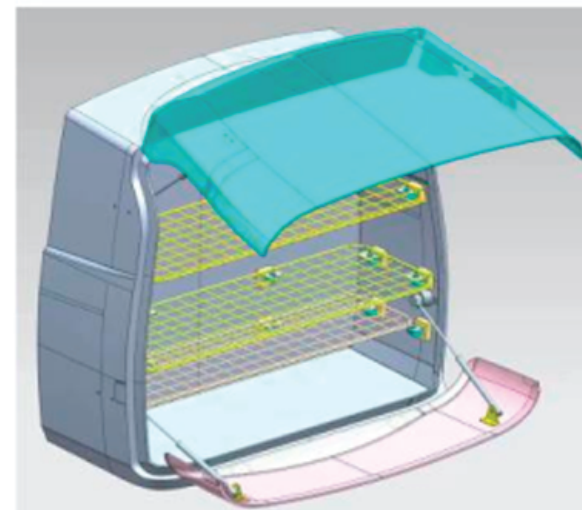


## J2-D

The delivery solution for the last mile of the city. Cold chain, takeaway, express delivery, logistics and supermarket distribution, etc., It is the short-distance cargo transportation vehicle

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## J2-D



configuration	Item	J2-D
Parameter	L* W * H (mm)	2400*1260*1700
	Max. Speed (km/h)	45
	Max. range(km)	100/190
	Capacity (person)	1
	Curb Weigh (kg)	400
	Cargo Box Size(mm)	532*1159*1050
	Hopper Size(mm)	532*1100*400
	Loading capacity (kg)	220
	Steering Mode	Middle Steering Wheel
Power System	AC Motor	3000W/4000W
	Lithium Battery	105/206Ah LiFePo4 Battery
	Charging Time	3/6 hours with fast charger
	Charger	Intelligent Charger
Brake System	Type	Hydraulic System
	Front	Disc
	Rear	Drum
Suspension System	Front	Independent Double Wishbone
	Rear	Integrated Rear Axle
Wheel Suspension	Tyre	Front135/70-R12 Rear135/70-R12
	Wheel Hub	Aluminum Alloy Hub
Function Device	Multi-media	MP5+Reverse Camera
	Electric Heater	60V 800W
	Central Lock	Auto Level
	One Button Start	Auto Level
	Electric Door & Window	2
Seats	Leather	

# HANAR



## J2-C Configuration

configuration	Item	J2-C
Parameter	L* W * H (mm)	2890*1180*1780
	Max. Speed (km/h)	45
	Max. range(km)	100/190
	Capacity (person)	1
	Curb Weigh (kg)	500
	Cargo Box Size(mm)	880*1180*995
	Hopper Size(mm)	880*1180*400
	Loading capacity (kg)	330
	Steering Mode	Middle Steering Wheel
	Power System	AC Motor
Lithium Battery		105/206Ah LiFePo4 Battery
Charging Time		3/6 hours with fast charger
Charger		Intelligent Charger
Brake System	Type	Hydraulic System
	Front	Disc
	Rear	Drum
Suspension System	Front	Independent Double Wishbone
	Rear	Integrated Rear Axle
Wheel Suspension	Tyre	Front135/70-R12 Rear145/70-R12
	Wheel Hub	Aluminum Alloy Hub
Function Device	Multi-media	MP5+Reverse Camera
	Electric Heater	60V 800W
	Central Lock	Auto Level
	One Button Start	Auto Level
	Electric Door & Window	2
	Seats	Leather

The delivery solution for the last mile of the city. Cold chain, takeaway, express delivery, logistics, supermarket distribution, etc., It is the short-distance cargo transportation vehicle.



configuration	Item	J2-P
Parameter	L* W * H (mm)	3600*1340*1765
	Max. Speed (km/h)	52
	Max, range(km)	90/170
	Capacity (person)	1
	Curb Weigh (kg)	510
	Cargo Box Size(mm)	1635*1050*1058
	Hopper Size(mm)	1635*1050*400
	Loading capacity (kg)	550
	Steering Mode	Middle Steering Wheel
Power System	AC Motor	4000W/5000W
	Lithium Battery	105/206Ah LiFePo4 Battery
	Charging Time	3/6 hours with fast charger
	Charger	Intelligent Charger
Brake System	Type	Hydraulic System
	Front	Disc
	Rear	Drum
Suspension System	Front	Independent Double Wishbone
	Rear	Integrated Rear Axle
Wheel Suspension	Tyre	Front135/70-R12 Rear145/70-R12
	Wheel Hub	Aluminum Alloy Hub
Function Device	Multi-media	MP5+Reverse Camera
	Electric Heater	60V 800W
	Central Lock	Auto Level
	One Button Start	Auto Level
	Electric Door & Window	2
	Seats	Leather



# J2-W

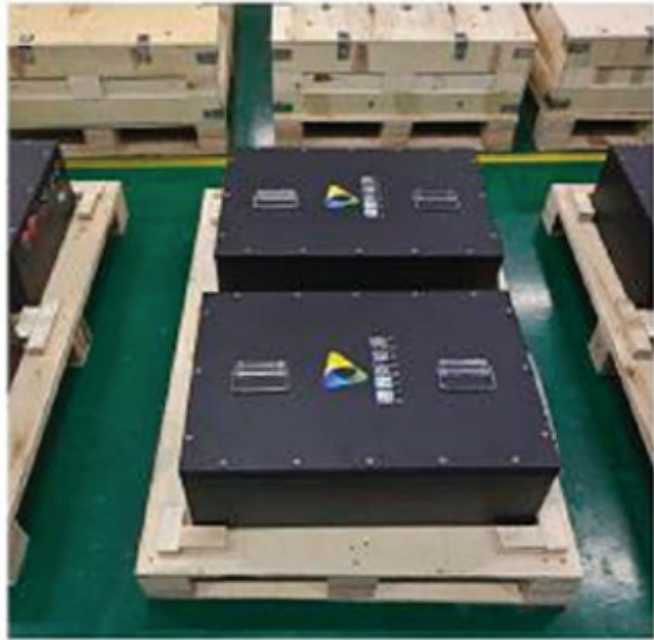
configuration	Item	J2-W	
Parameter	L* W * H (mm)	2400*1200*1700	
	Max. Speed (km/h)	45	
	Max, range(km)	115	
	Capacity (person)	1	
	Curb Weigh (kg)	400	
	Loading capacity (kg)	150	
	Steering Mode	Middle Steering Wheel	
	Power System	AC Motor	3000W
		Lithium Battery	105Ah LiFePo4 Battery
Charging Time		3 hours with fast charger	
Charger		Intelligent Charger	
Brake System	Type	Hydraulic System	
	Front	Disc	
	Rear	Drum	
Suspension System	Front	Independent Double Wishbone	
	Rear	Integrated Rear Axle	
Wheel Suspension	Tyre	Front135/70-R12 Rear145/70-R12	
	Wheel Hub	Aluminum Alloy Hub	
Function Device	Multi-media	MP5+Reverse Camera	
	Electric Heater	60V 800W	
	Central Lock	Auto Level	
	One Button Start	Auto Level	
	Electric Door & Window	2	
	Seats	Leather	



# J2 - P

The delivery solution for the last mile of the city. Cold chain, takeaway, express delivery, logistics and supermarket distribution, etc. It is the short-distance cargo transportation vehicle.

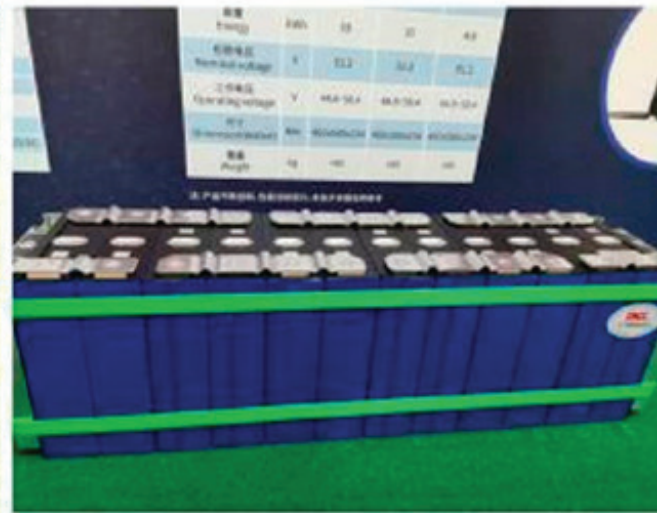
# Lithium Battery /5KMh Power Bank



Large-capacity, safety and long using life lithium iron phosphate battery with BMS system.

For cold areas, optional heating devices during vehicle operation:

- 1- Add a discharge heating system (one negative relay, one positive relay and two high-edge drive and related wiring harness on the 131v1S).
- 2- The heating film uses original charging silica gel heating film.
- 3- Software control.



FOR THE



## E-car sharing system/CKD



Install the app and scan the QR code to unlock the car.



After arriving, park the car and close door, then press the end trip button to lock.

### CKD-Completely Knocked Down

CKD (Completely Knocked Down) assembly reduce and save customs duty & transportation cost, Can be assemble 2000 units per year under 5-10 workers with 2500sqm workshop. We have CKD factories in Manila of Philippines. New Delhi of India, Moscow of Russia, Porto of Portugal.





## Electric Road Sweeper S13

S13 pure electric sweeper is mainly used for municipal road surface cleaning, playing a fast cleaning operation, mainly used for pavement, non-motorized lanes, streets, street corner, squares and other public areas cleaning operations.

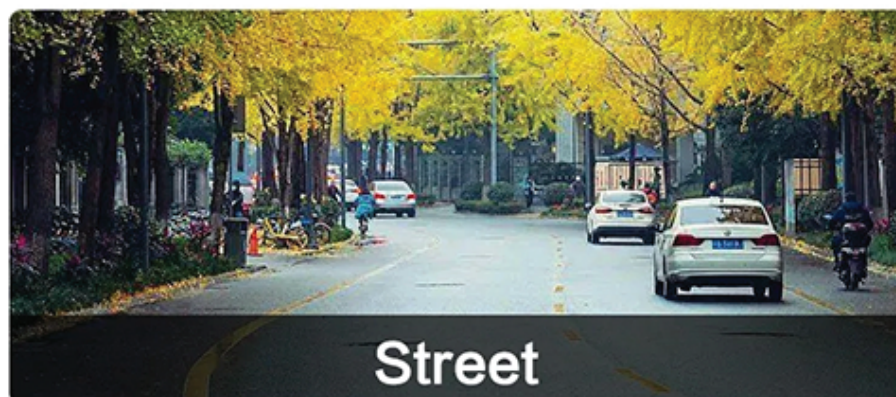
## S13 Pure Electric Road Sweeper



High Strength Square Steel Welding, High Quality Carbon Steel, Electrophoresis Antirust Treatment, Corrosion Resistance

# Applicable scenario

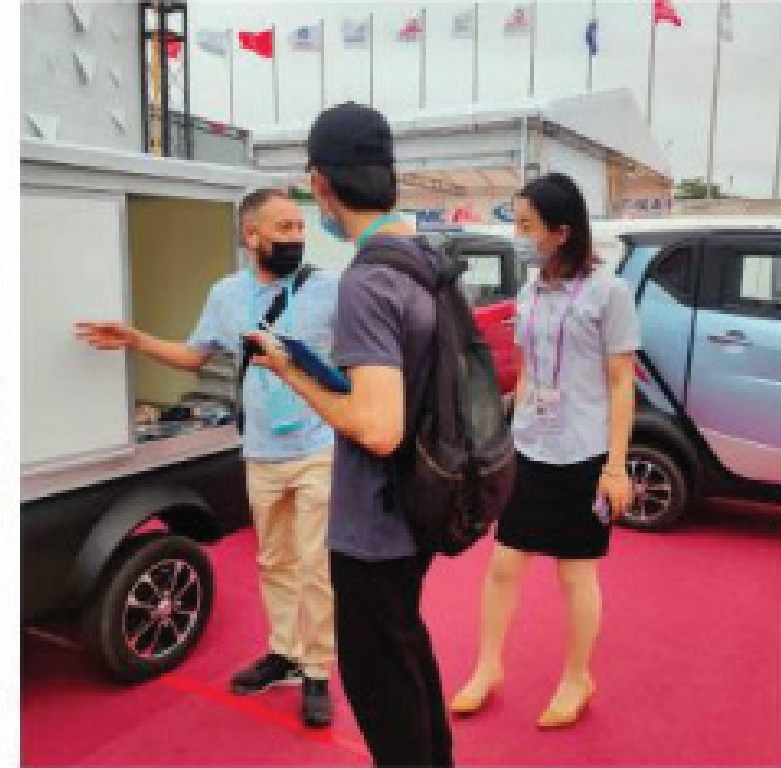
Four-wheel vacuum tires + special chassis, easily go up and down the sidewalk



NO.	Name	Unit	S13 (NEW)	S13 (old)
1	Maximum working efficiency	m/h	15000	10000
2	Side brush diameter	mm	480	400
3	Sweeping width	mm	1500	1300
4	Operation time	H	4-5	3-4
5	Water tank capacity	L	120	60
6	Dust collection box capacity	L	140	120
7	Active trash can capacity	L	60	/
8	Power source	V	48	36
9	Rated power	W	3100	2800
10	Drive power	KWW	1500	800
11	Maximum travel speed	KM/H	30	30
12	Net weight of machine	KG	310	380
13	Overall dimensions (L*W*H)	Mm	2350*1220*1900	2200*1280*1850
14	Turning radius	Mm	1600	2000
15	Maximum climbing slope	%	30	30
16	Number of side brushes	/	3	3
17	Hydraulic disc brake and hand brake are equipped with a braking mode and braking power off function	/	Standard configuration	No configuration
18	One button shutdown protection device	/	Standard configuration	No configuration
19	Spray dust suppression system	/	Standard configuration	Standard configuration
20	steering system	/	The automobile steering wheel	The automobile steering wheel
21	tyre	/	Vacuum tire	Vacuum tire

# HOOR

# Exhibition



# Customer feedback Pictures



Slovakia



America



Germany



Bulgaria



Holland



Iraq - Erbil

# Cargo Box



**Cargo Box— Cellular panel:**  
as special structure, with comprehensive strength, bending resistance, excellent properties such as electrical insulation, corrosion resistance and temperature resistance, 70-90% lighter than steel.

## Cargo Box-BF:

The box material is a composite material of basalt fiber(BF). It is a new type of inorganic environmental protection with high-performance, can be directly degraded in the environment after being discarded, With excellent properties such as electrical insulation, corrosion resistance and temperature resistance.

**Hopper—Aluminium alloy**  
After heat treatment and alloying strengthening.



# Cooling and Heating System

- Cooling system design for fruit, vegetable, drinks, medicine transportation, adjustable refrigeration temperature from
- Heating system design for takeaway, adjustable heating temperature from  $\approx 50^{\circ}\text{C}$ , Cargo box can be divided to two space, one for cooling and one for heating.



J1 - C



J1 - D



J2 - C



J2 - D



J2 - P

# Details on Vehicle

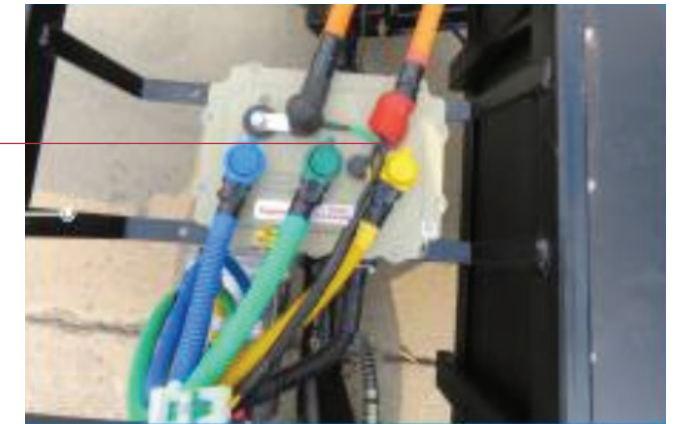


## AC motor

With auto-hold function, powerful and water proof, lower noise, without carbon brush, maintenance free, can be improved drive range

with famous brand, reliable and water proof, steadily current control makes motor output stronger and higher efficiency. Adopt the first class AC motor control algorithm to achieve accurate control of motor speed.

## Control System



## Light System

Integrate LED headlight, turn lights, brake lights, reverse lights. Low power consumption an increase 50% more in light transmittance.

## Plastic Cover

ABS resin, luxury interior with sunroof. The most important mechanical properties of ABS have excellent comprehensive physical, impact resistance and toughness, stability, two-thirds lighter weight than iron parts.



# Details on Vehicle



## Brake System

Front and rear-disc, two-circuit hydraulic brake, for the higher safety and stability.

## Suspension System

The front axle and suspension are independent suspensions, simple structure and excellent stability  
The integrated rear axle, axle housing welded by seamless steel tube, for lower noise, durable, reliable

## Steering System

Use double output steering gear box to adjust the gap automatically  
There is no dead angle when rotate, Operate will be more lighter



## Frame & Chassis

GB Standard Steel, the surface under pickling&photostatting and corrosion-resistant treatment to ensure the excellent drive sense with stationary and solidity.

**Thank You!**



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