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ISO45001:2018



ISO14001:2015



ISO9001:2015



HANGCHA trucks conform  
to the European Safety  
Requirements.

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# A SERIES

END RIDER PALLET TRUCK

With capacity of 6,000 to 8,000lbs

# LET THE LITHIUM POWER FREED



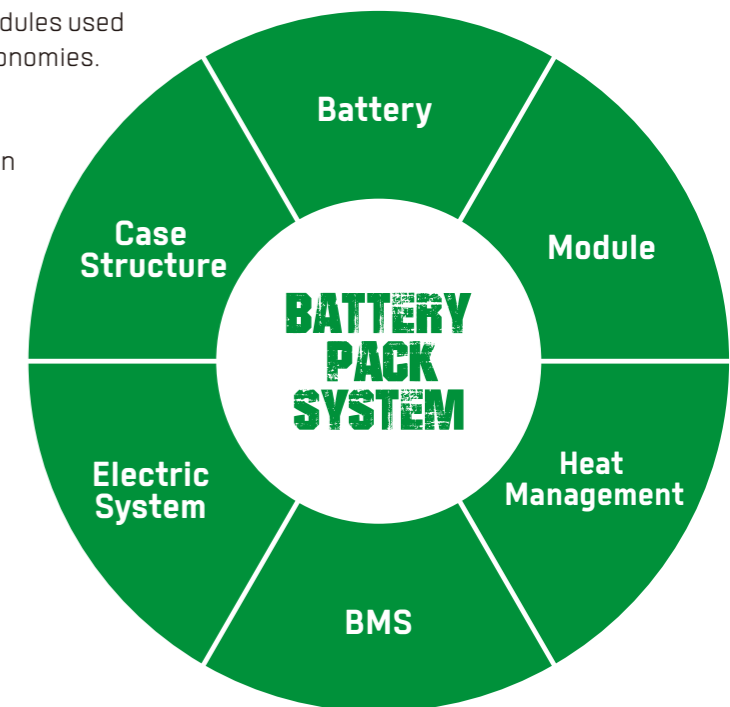
HANGCHA provides Li-ion battery (LiFePO4) with 6 years or 12000 hours warranty.

**6 YEARS  
WARRANTY**

# INNOVATIVE SOLUTIONS NEW POWER NOW

Innovative, reliable lithium-ion technology (Lithium Iron-Phosphate), which are developed jointly by HANGCHA and CATL. Battery cells and modules are from CATL, with reliable quality, exclusively for HANGCHA.

- / We use square lithium iron phosphate batteries and modules used in large quantities by commercial vehicles in mature economies.
- / Safe and effective: Charging efficiency as high as 95%.
- / Quick charging.
- / Long-working: 4000 charging cycles, capacity retention greater than 75%.
- / Maintenance-free: Battery does not require manual maintenance.
- / Green and clean: Pollution-free, zero emissions.



**Rapid charging and opportunity charging ensure continuous availability of vehicles**

Allow for fast full charging or boost charging. They are maintenance free and do not require a battery change when used for multi-shift operations.



# POWERFUL DESIGN TO INCREASE PRODUCTIVITY

ADVANCED PERFORMANCE ■

SAFETY ■

COMFORT ■



■ HIGH EFFICIENCY

■ LOW USE

■ RELIABILITY

■ MAINTENANCE COSTS

## A SERIES END RIDER PALLET TRUCK

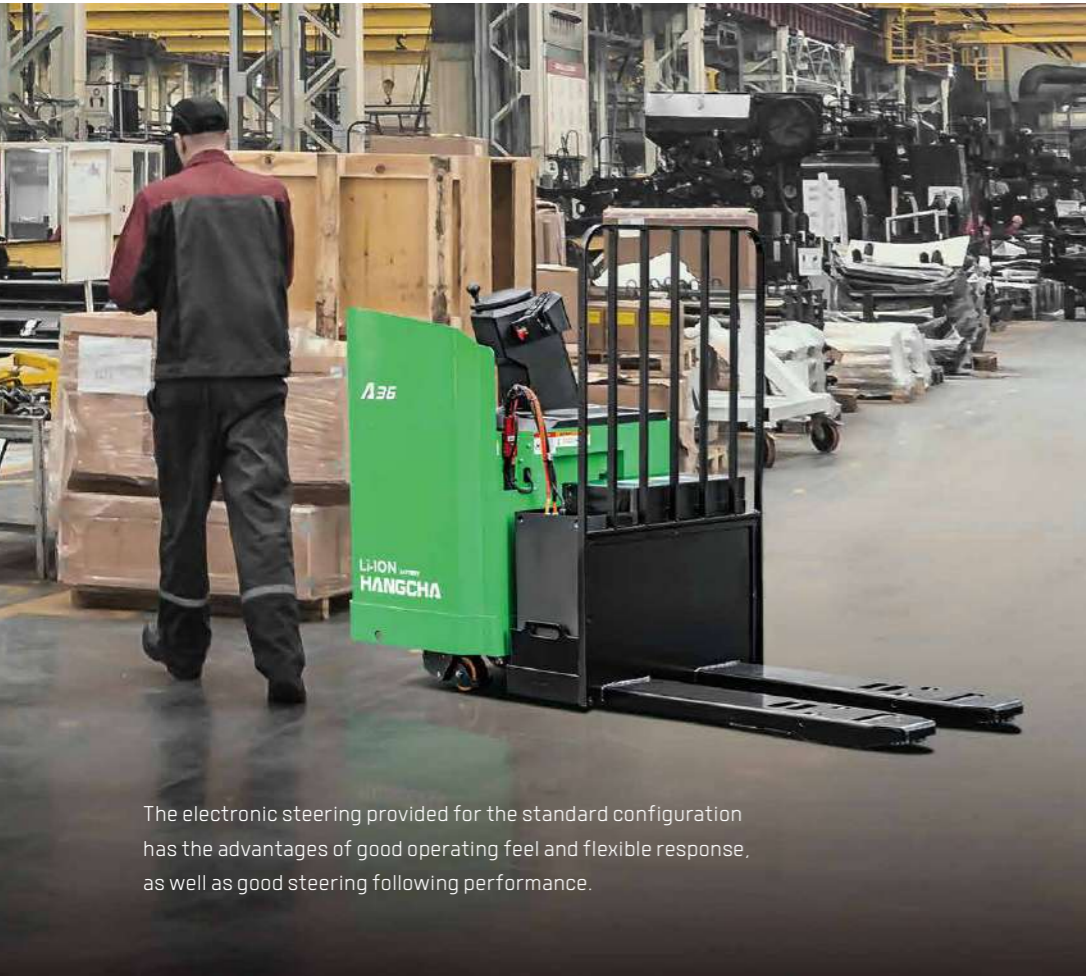
Your reliable, powerful and connected working machine.

The A series end rider pallet truck is a new product newly developed by Hangcha for the North American market. With the advanced AC control technology, it has advanced performance, comfortable, safe and reliable operations and low use and maintenance costs. With advantages of large throughput for long-distance transportation, it is applicable to high-intensity operating conditions.

# BRING REVOLUTIONARY TO YOUR JOB

## EXTERIOR

- The A series end rider pallet truck adopts a professional industrial design of exterior and a series family design. The vehicle has a smooth vivid profile and a fully ergonomic design, following the latest exterior design trend.



The electronic steering provided for the standard configuration has the advantages of good operating feel and flexible response, as well as good steering following performance.

The battery provided for the standard configuration can be easily and quickly charged from a side of the vehicle, and can be lifted and removed from the side of the vehicle so as to be easily replaced.





## HIGH PERFORMANCE

The Curtis AC control system and multifunctional instruments offer multiple modes for users in different operating conditions, displaying various operating status parameters which can be adjusted with permissions.



The maintenance-free brushless AC drive motor has the features of excellent acceleration performance and uphill performance and low heat generation, etc.

Performance	
	<b>6.2 mph</b> Travel speed (laden)
	<b>8.0 %</b> Gradeability (laden)

## RELIABILITY

- Optimized mast which is stable, reliable and subject to a small force.
- The high-strength pallet truck frame structure can meet various operating conditions and has a long service life.
- The rigidly mounted AC drive and quickly adjusted auxiliary wheels make the chassis stable and reliable.
- The optional torsion bar - equipped adjustable auxiliary wheels can be easily adjusted and can compensate the normal wear of the drive, making the chassis more stable and reliable.



With waterproof connectors, all wires and cables have reliable protection, which greatly improves the reliability of the electrical system.



## MAINTENANCE

- Maintenance-free AC drive motor.
- The side door can be wide-opened to expose all internal components, making repair and maintenance easy.
- With all spindles equipped with lubricated sleeves and oil cups to facilitate maintenance and a long service life.

The fault information can be checked directly via the multifunctional interactive instruments instead of the manual.



*The stamped fork with higher strength and impact resistance and guided fork prongs, further improve operation efficiency.*

# ENJOY YOUR WORK

## COMFORT

- The shock-absorbing suspended pedal significantly improves standing driving comfort and reduces long-time driving fatigue.
- With the large-area pedal interlock switch, there is a larger space for foot movement so that the operator can find a comfortable standing position. The ergonomic cushion can reduce operating fatigue.

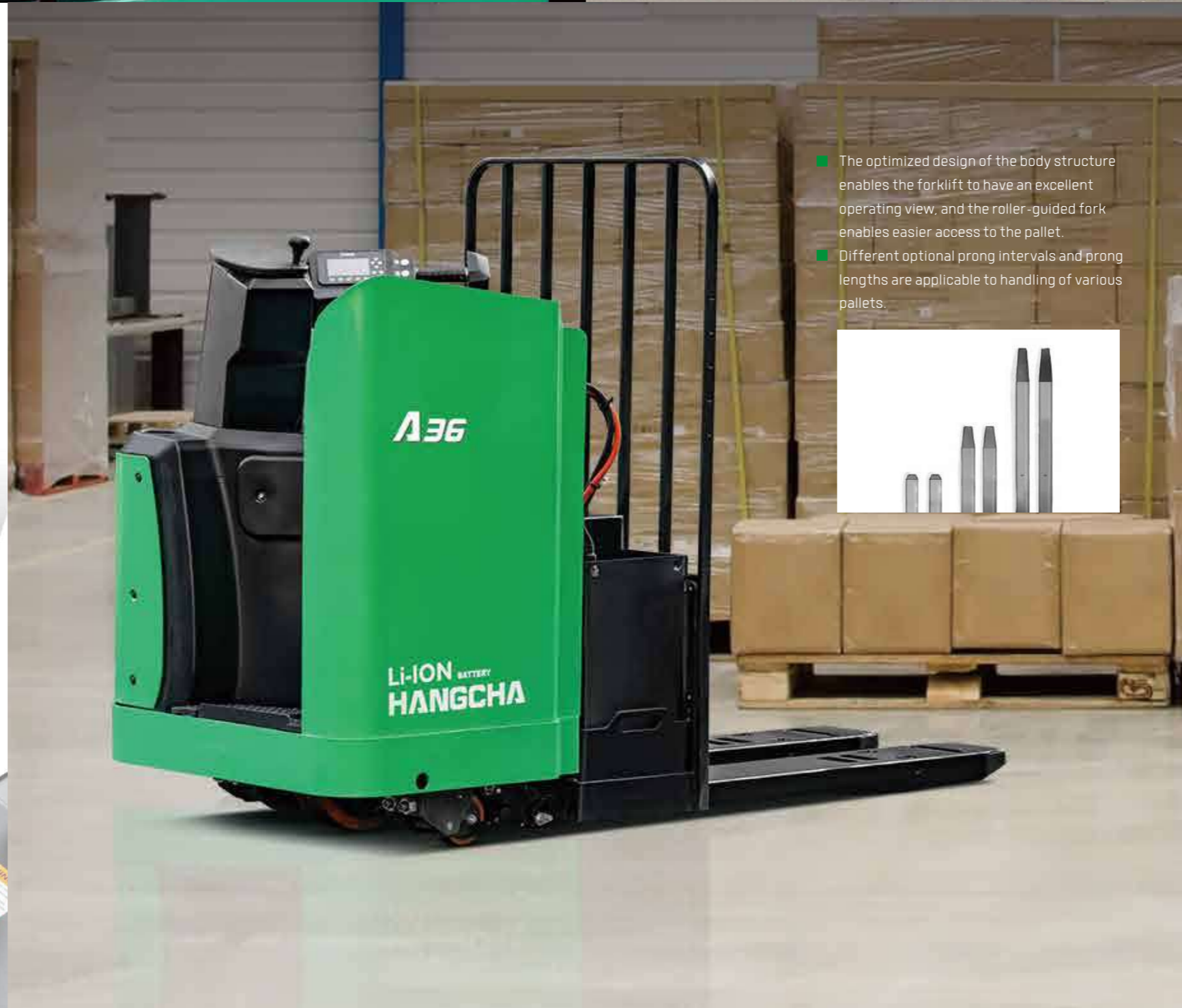
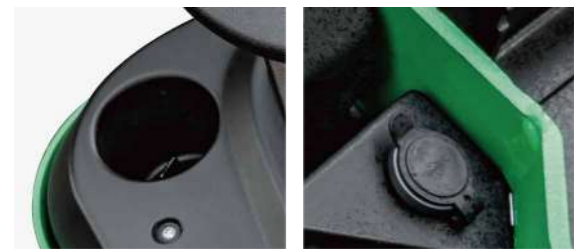


With the functions of release braking, reverse braking and emergency braking to ensure safe driving. Anti-roll back function to ensure safe operations.



## EXCELLENT DESIGN

- The integrated acceleration operating device can be operated comfortably and is more in line with North American users' operating habits.
- Offers a cup holder, USB port, manual bag and large document storage space.



- The optimized design of the body structure enables the forklift to have an excellent operating view, and the roller-guided fork enables easier access to the pallet.
- Different optional prong intervals and prong lengths are applicable to handling of various pallets.



# MORE PROTECT

## SAFETY

With the electronic lifting limit switch that is provided for the standard configuration, the impact caused by lifting to the top can be avoided, the operating motor can be effectively protected and the safety of the goods can be ensured.

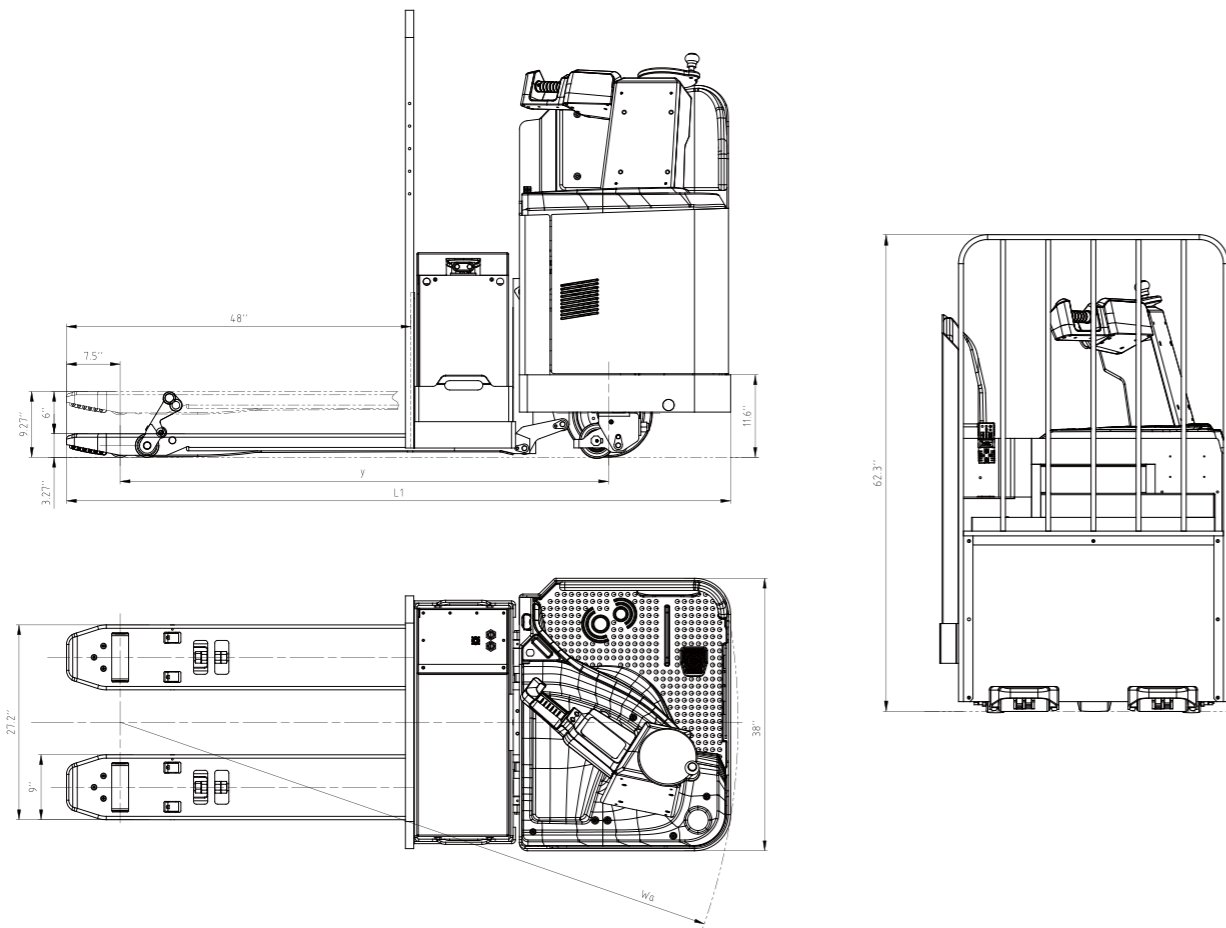


The load backrest provided for the standard configuration can effectively prevent goods from tipping over backwards.



## Technical data

Distinguishing mark	1.1	Manufacturer	HANGCHA GROUP CO.,LTD.	
		1.2	Manufacturer's type designation	CBD27-AC2S-ISNA
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Electric	Electric
	1.4	Operator type	Stand-on	Stand-on
	1.5	Rated capacity/rated load	0 (lb)/(kg)	6000/2700
	1.6	Load centre distance	c (in)/(mm)	24/600
	1.8	Load distance, centre of drive axle to fork	x (in)/(mm)	40.6/1030
	1.9	Wheelbase	y (in)/(mm)	64.4/1635
Weight	2.1	Service weight	(lb)/(kg)	33.7/855
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		PU
	3.2	Tyre size, front	(in)/(mm)	(Ø12.2-4.3)/(Ø310-110)
	3.3	Tyre size, rear	(in)/(mm)	(2-Ø3.3-6.5)/(2-Ø83-165)
	3.4	Additional wheels (dimensions)	(in)/(mm)	(2-Ø5.2-4)/(2-Ø125-60)
	3.7	Tread, rear	b11 (in)/(mm)	18.1/460
Dimensions	4.4	Lift	h3 (in)/(mm)	6/150
	4.15	Fork height, lowered	h13 (in)/(mm)	3.3/83
	4.19	Overall length	l1 (in)/(mm)	92.5/2350
	4.20	Head Length	l2 (in)/(mm)	44.9/1140
	4.21	Overall width	b1 (in)/(mm)	38/965
	4.25	Distance between fork-arms	b5 (in)/(mm)	27.2/690
	4.35	Turning radius	Wa (in)/(mm)	82.9/2105
Performance data	5.1	Travel speed, laden/unladen	(mph)/(km/h)	(6.2/9)/(10/14.5)
	5.8	Max Gradeability, laden/unladen	(%)	8/15
	5.10	Service brake		Electromagnetic brake
Electric-engine	6.1	Drive motor rating S2 60 min	(hp)/(kW)	5.4/4
	6.2	Lift motor rating at S3 15%	(hp)/(kW)	3/2.2
	6.4	Battery voltage, nominal capacity	(V)/(Ah)	24/456
		Type of battery		Li-ion
	8.1	Drive type		AC



## Features

Truck	Standard	Options
24V AC drive motor	●	
Electric power steering system	●	
Hydraulic power unit	●	
Polyurethane tire	●	
Fork length: 1220mm	●	
Prong interval: 690mm	●	
Distance from the surface of the fork to the ground: 83mm	●	
24V/456Ah lithium battery	●	
Quickly adjusted elastic auxiliary wheel	●	
Single load wheel	●	
Guide wheel	●	
Damper pedal	●	
Multi-layer pedal pad	●	
Knee pad	●	
1500mm load backrest	●	
Laterally-dismounted battery	●	
Forward steering	●	
Fork length		○
Fork interval: 710mm		○
Reverse steering		○
Torsion bar - equipped auxiliary wheel		○
1200mm and 1800mm load backrests		○
USB Power Supply	●	
Manual bag	●	
Controls and instruments		
Curtis controller	●	
Curtis interactive instruments	●	
Electronic lifting limit	●	
Fork-ground distance detection	●	
Code lock		○
Interlock switch	●	
Contour switch	●	
Brake pedal switch	●	
Key switch	●	
Safety		
Turning deceleration	●	
Electromagnetic brake	●	
Acoustic and optical alarm		○
Horn	●	
Light		
Alarm light		○
Operations headlights		○
Other		
Standby power supply		○