

## Features

Truck	Standard	Options
Standard battery	●	
Side charging (lithium battery)	●	
Side shift battery	●	
Terminal power (12V)	●	
Large-capacity lithium battery		○
Platform rail		○
Non-standard series fence		○
Charger		○
Solid tire		○
Non-standard color		○
Cab		
Tool box	●	
Document bin	●	
Cup holder	●	
Tilt-adjustable steering wheel	●	
Fully suspended console	●	
Seat	●	
Seat belt	●	
Reflective mirror		○
Large-diameter steering wheel		○
Suspended seat		○
Controls and instruments		
LCD display	●	
Safety		
Emergency power-off switch	●	
Horn	●	
Reverse buzzer	●	
Electromagnetic parking brake	●	
Acoustic and optical alarm		○
Reverse voice buzzer		○
Fire extinguisher		○
Lights		
LED integrated headlights (near and far turning streamer)	●	
LED rear combination tri-color light LCD display	●	
Alarm light		○
Daytime running blue light	●	
LED rear operation light	●	

## Features (Optional configuration for models with cabs)

Cab	Standard	Options
Fully enclosed cab		○
Semi-enclosed cab		○
Boarding handle		○
Rearview mirror		○
Ceiling light		○
Fan		○
Front single-sheet wiper		○
Front wiper injector		○
Sunshade		○
Front glass defroster		○
Heater		○
Cooling and heating air conditioner		○

Note: The fan is usually selected for the canopy or cab, and is not recommended to be selected separately; the cab and canopy are equipped with standard reflectors; the daytime running blue light is usually selected with the canopy or cab, and is not recommended to be selected separately.



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ISO45001 ISO14001 ISO9001  
ISO45001:2018 ISO14001:2015 ISO9001:2015  
HANGCHA trucks conform to the European Safety Requirements.

HANGCHA Group Co., LTD behält sich das Recht vor, Änderungen bezgl. Farbe, Spezifikationen, Ausstattung und sonstige Details, dieser Broschüre ohne Vorankündigung vorzunehmen. Fahrzeugfarben können von den Farben in dieser Broschüre abweichen.



INNOVATIVE LITHIUM-ION



# X SERIES

## ELECTRIC PLATFORM TRUCK

With capacity of 8,000 to 16,000kg



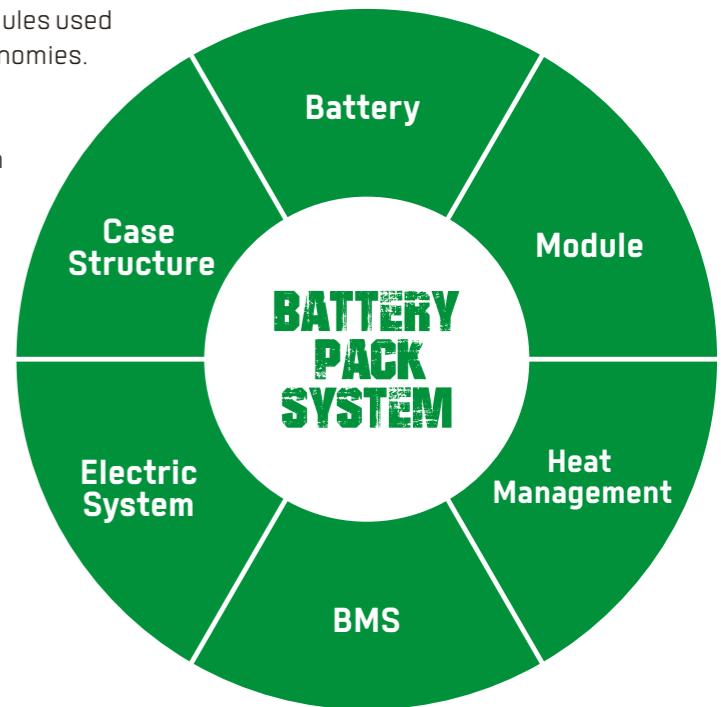


HANGCHA provides Li-ion battery (LiFePO<sub>4</sub>) with 6 years or 12000 hours warranty.



# INNOVATIVE SOLUTIONS NEW POWER NOW

- / 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.



# X SERIES ELECTRIC PLATFORM TRUCK

X series electric flatbed trucks are a new series of products independently developed by Hangcha, with safety, reliability, advancement and comfort reaching the world's advanced brand standards, featuring high speed, high efficiency, high safety, etc., thus being an ideal choice for short and medium-distance cargo handling in railway and automobile enterprises.



## METICULOUS ON THE INSIDE

The frame, drive axle, steering axle and other main force-bearing components are designed to have high strength, large bearing margin, which can meet the heavy load operating conditions.

### Console:

Integral fully-suspended console, flexible connection with the frame, vibration and noise isolation, good comfort.

### LED headlamp:

the LED integrated headlamps have daytime running lamps, far/near light, front turning streamer and other functions, safe and energy-saving.

### Front anti-collision bumper:

steel plate type front anti-collision bumper, safer and good energy absorption.

### Suspended seat:

strong shock absorption, good comfort. (optional)

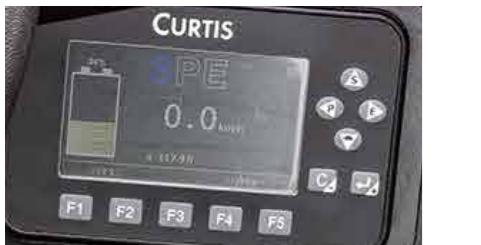
### RELIABILITY AND SAFETY

- The efficient AC power system has standard electromagnetic brake, automatic parking and complete protection functions, greatly improving reliability and service life.
- The electrical components are arranged at height, and the whole vehicle has a high protection level.
- With the battery placed at the bottom of the vehicle frame, the vehicle has good stability, both safe and reliable.



# REVOLUTIONARY PERFORMANCE

High-voltage platform, light weight and low power consumption. Long endurance mileage, optional lithium batteries and large-capacity lead-acid batteries available for the whole series.



The large-screen anti-glare LCD display adopted can display power, speed, mileage, fault and other information clearly and accurately even in harsh environments.



The whole vehicle is equipped with LED, and the integrated headlamps have daytime running lamps, far/near light, front turning streamer and other functions.

Optional battery list(EVE)			
Capacity(Ah)	8t[80V]	10t[80V]	16t[96V]
230	●	●	/
304	○	○	●

Optional battery list(Tian neng)		
Capacity(Ah)	8t[80V]	10t[80V]
250	○	/
275	○	/
300	○	○
350	/	/
385	/	/
420	/	/

Note: ● Standard battery capacity; ○ Optional battery capacity;

## ADVANCEMENT

High-power AC asynchronous motor + vector control + high efficiency gearbox with large speed ratio can achieve high driving speed, good acceleration performance, high speed for heavy-duty vehicles, high gradient climbing, and large load capacity, featuring high control precision, fast startup, low energy consumption and noise.

**10X50 %**  
Max. gradeability(laden)

**9.0 Km/h**  
Travel speed(laden)

## GREAT COMFORT

- Front and rear axles adopt full elastic suspension system, exhibiting low vibration and good smoothness.
- Fully hydraulic steering, standard follow-up steering system, boasting low energy consumption, low noise, light control force, good hand feeling, safe and reliable steering.
- Optional integrally-suspended, fully-enclosed cab can adapt to all-weather operations.



All operation pedals, instruments, steering wheel and switches are subject to optimal configuration ergonomically for comfortable and flexible operation.



Integral fully-suspended console, double-floating design, vibration and noise isolation, good comfort.



Large open pedals at low position, more legroom, more convenient to get on and off the vehicle.

## MAINTAINABILITY

- Removed from a side of the vehicle, the battery provided in the standard configuration can be repaired, replaced and maintained more easily and is applicable to continuous operating conditions.
- Electric control and electrical components are integrated in the electric control door with latch, which is convenient for debugging and maintenance of the electric control system.



Table of 8-16t platform and fence specification recommendation				
Width	Length	3200	4000	5000
1800	Standard	○		○
2050	Standard	Standard	○	○
2600		○		○

Note: ● Preferred; ○ Optional Vehicle fence height: 320mm

## Technical data

Distinguishing mark	HANGCHA GROUP CO.,LTD.		
	1.1 Manufacturer	1.2 Manufacturer's type designation	1.3 Drive: electric (battery or mains), diesel, petrol, fuel gas
1.4 Operator type: hand, pedestrian, standing, seated, order-picker	Seated	Seated	Seated
1.5 Rated capacity/rated load	0 [kg]	8000	10000
1.9 Wheelbase	y [mm]	2300	2300
2.1 Service Weight	kg	3040/2550	3449/2800
3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane	Pneumatic	Pneumatic	Pneumatic
3.2 Tyre size, front	7.00-12-12PR	7.00-12-12PR	28.9-15-14PR
3.3 Tyre size, rear	28.9-15-14PR	7.00-12-12PR	28.9-15-14PR
3.5 Wheels, number front / rear [x= driven wheels]	4[x=2]	6[x=4]	6[x=4]
3.6 Tread, front	b10 [mm]	1610	1610
3.7 Tread, rear	b11 [mm]	1570	1650
4.7 Height of overhead guard	h6 [mm]	1960	1960
4.16 Length of loading surface	l3 [mm]	3200	3200
4.18 Width of loading surface	b9 [mm]	1800	2050
4.19 Overall length	l1 [mm]	4525	4525
4.21 Overall width	b1 [mm]	1800	2050
4.32 Ground clearance, centre of wheelbase	m2 [mm]	170	150
4.35 Turning radius	Wa [mm]	4150	4150
5.1 Travel speed, laden/unladen	km/h	10/18	10/18
5.8 Max. gradeability, laden	%	10-50	10-50
5.10 Service brake	Electromagn+Hydraulic	Electromagn+Hydraulic	Electromagn+Hydraulic
Parking brake	Electromagn	Electromagn	Electromagn
6.1 Drive motor rating S2 60 min	kW	AC12	AC12
Steering motor rating	kW	DC1.5	DC1.5
6.4 Battery voltage, nominal capacity K5	V/Ah	80/250	80/230
6.5 Battery weight	kg	670	180
Battery dimensions	mm	816/776/440	785/776/370
10.7 Sound pressure level at the driver's seat	dB (A)	<65	<65

