

Configurations			
For safety	Steering speed limit		●
	Reverse handle with horn		●
	OPS		●
	Safety protecting function of multiway valve overload		●
	Reverse buzzer		●
	Upper buffering		●
	Central wide-angle rearview mirror		●
	Rearview mirrors on two sides		○
	Front protective net		○
	Seat with safety belt		○
	Dry powder fire extinguisher (0.5kg)		○
	Dry powder fire extinguisher (2kg)		○
	Reverse Chinese voice speaker		○
	Reversing parking sensor (4 probes)		○
	Reversing image( 1 camera+ 4 probes)		○
For driving comfort	Semi-enclosed seat		●
	USB (5V/1A)		●
	Steering with steering wheel start		●
	Mechanical operation valve		●
	Colorful instrument		●
	Full suspension seat		○
	Electromagnetic operated valve		○
	Fan		○
For cab/windshield	Heater		○
	Panel mounted cab		○
	Front windshield		○
	Rear windshield		○
For lighting	Top windshield		○
	LED lights		●
	LED flickering warning lights		●
	LED rear working light		○
	Front LED red/blue spotlight		○
	Rear LED red/blue spotlight		○
	Red/blue strip lights on rear and bilateral sides		○
	LED rotating warning light		○
Others	LED rotating and beep warning light		○
	Metric thread		●
	Solid tyre		●
	Solid tyre without travelling marking		○
	Sleeve for tilting cylinder		○
	FCIS		●


Note: “●” standard; “○” optional;


CPD15/16/  
18/20SQ  
A2LiG3-M





# POWERFUL AND FLEXIBLE

 Comfort and energy saving

 Stable and Reliable

 Intelligent security

 Convenient maintenance

## APPEARANCE

The appearance is grand and the colors are beautiful; The performance is excellent.

G3 series family design elements

Sheet metal stamping type side cover, side door

## COMFORTABLE AND ENERGY-SAVING

The truck provides users with the best comfortable driving experience. The truck adopts advanced energy-saving technologies for a greener and more environmentally friendly environment

Wide view mast  
Optimized mast improves lateral stability.

Mobile phone and water cup holder offer convenient storage.

Optimized mast improves lateral stability.

The steering wheel is sensitive, lightweight, precise, and power-saving when starting and turning.

The steering wheel is optimized with height reduction  
And structure improving;  
Adjustable angle; Comfortable operation

Color screen instrument

PES third gear adjustment

P — Powerful  
E — Economical  
S — Energy-saving

Multi performance modes satisfy the needs of various working conditions.

## FRONT WHEEL DUAL DRIVE MOTORS PROVIDE MORE POWER

**Strong performance:**  
The truck is equipped with ZF dual motor drive unit.

The truck has small turning radius and good passability.

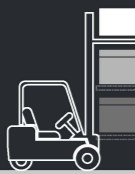
The minimum turning radius is as low as **1515mm**



**16km/h**  
Driving speed



**20%**  
Maximum gradeability with load



Good bearing capacity  
at high position



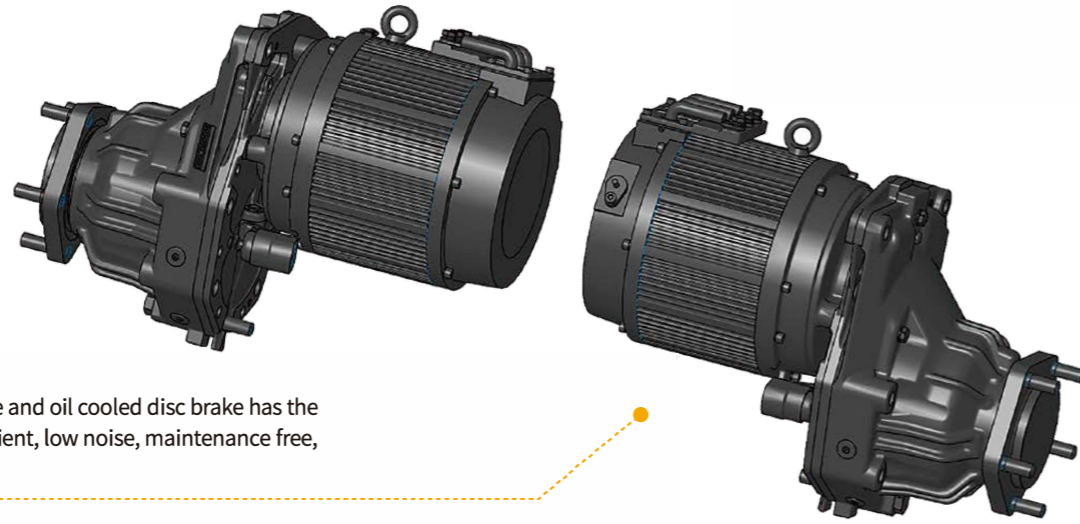
**0.45m/s**  
Maximum lifting speed with load



**0.6m/s**  
Maximum lifting speed without load

## TABLE AND RELIABLE

The product is designed with the concept of stability and reliability, and has undergone multiple rigorous tests and verifications.



Wet type service brake and oil cooled disc brake has the characteristics of efficient, low noise, maintenance free, and reliable.



National standard fast charging port supports up to 200A fast charging



The entire truck and its components meet the latest CE & UKCA requirements.



Ratchet type hand brake is safe and reliable.

## OPERATING COSTS:

Lithium battery forklift truck **VS** Lead-acid battery forklift truck **VS** internal combustion forklift truck

The superiority of Heli lithium battery forklift is more prominent in its cost of use throughout its lifecycle. Compared with lead-acid battery truck and internal combustion truck, lithium battery truck are more cost-effective due to their maintenance free and high energy conversion rates. Compared to internal combustion trucks, lithium battery trucks have advantages such as no noise, no pollution, low vibration, and simple operation. Lithium battery trucks have the characteristics of fast charging and on-demand charging compared to lead-acid battery trucks, making them more suitable for multi shift work applications.

## STRICT TEST

Rain test, reliability enhancement test, vibration test, bumps test



**Rain test**

the truck reaches to IPX4 protection level after simulating operation under 15 min rainstorm and it meets outdoor operation requirements.



**Vibration test**

Conduct vibration frequency testing on the truck to optimize and improve operational comfort.



**Cold storage test**

The whole truck was operated alternately in a -20 °C cold storage for 6 hours, and parked in the cold storage for 12 hours. The whole truck has no faults and could operate continuously

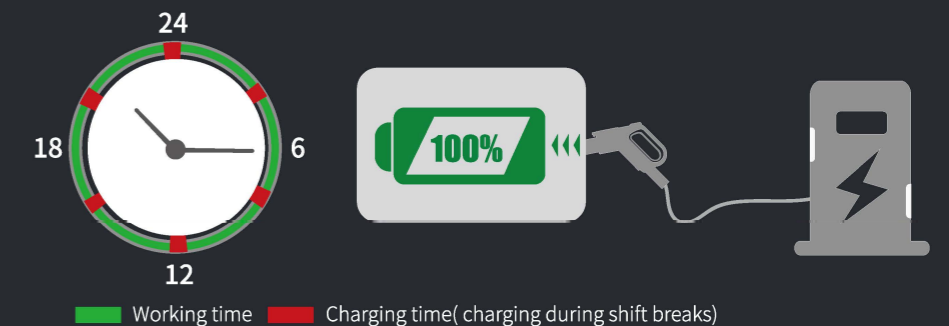


**Reliability enhancement test**

The truck undergoes 800 hours of enhancement test (including climbing, rain exposure, bumpy road surfaces, etc.).

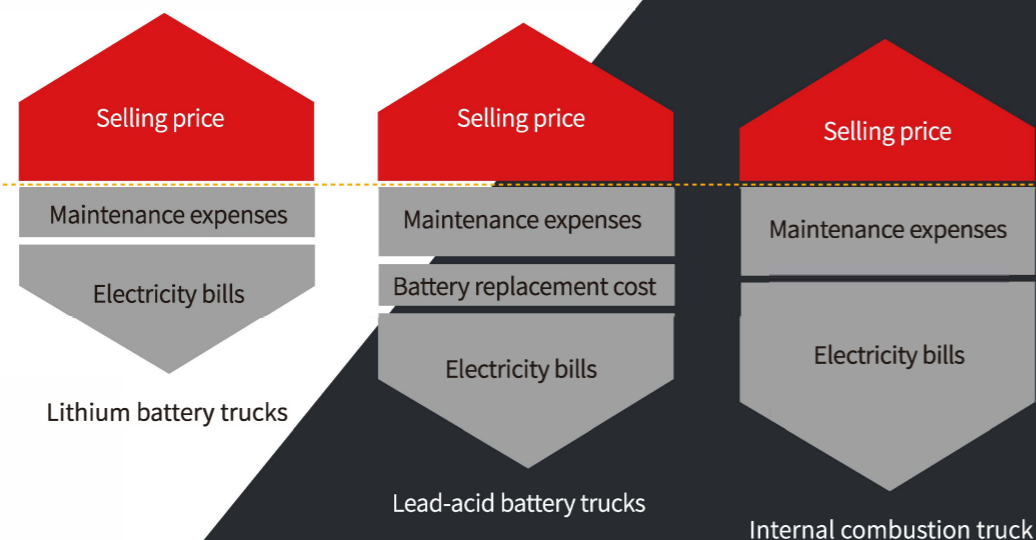
## FAST CHARGING AND ULTRA LONG BATTERY LIFE

- The truck is standard equipped with 202Ah lithium battery which has ultra long battery life.
- The battery satisfies uninterrupted operation during all day.
- The 2t truck model can be equipped with a maximum optional 404Ah lithium battery.



Explicit cost

Hidden cost



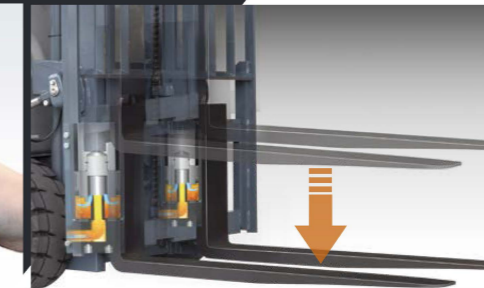
## INTELLIGENT SAFETY

The product is designed with intelligent security as its core and has multiple advanced security technologies.

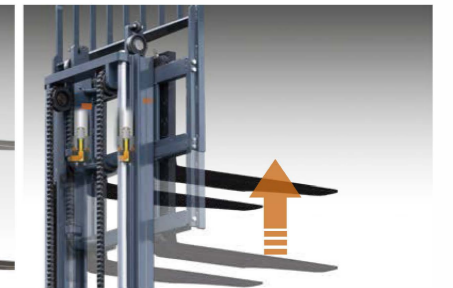
- Electric brake and wet type brake offer dual protections.
- Intelligent differential speed of left and right motors
- Hydraulic pipeline anti-burst protection, forward tilt self-locking protection
- Electrical multiple protection: dual wire system, short circuit protection, overheating protection, low battery protection, sequential protection
- Parking safety reminder
- Slope sliding reminder
- Reverse handle with horn



The integrated card swiping function of the instrument meets the requirements of TSG 81.

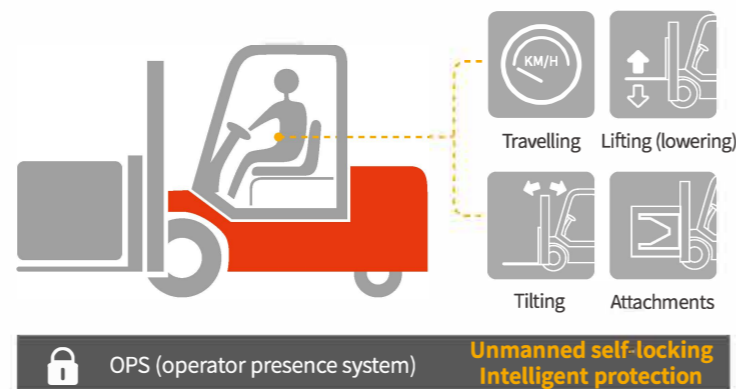
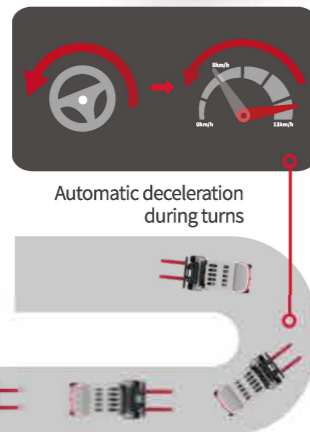


Mast lowering buffer



Mast lifting buffer

- Dual core controller
- Automatic deceleration for steering
- OPS



The hydraulic oil tank is located on the left side for easy filling and checking.



Maintenance-free steering axle

### Heli Intelligent Fleet Management System (Standard Domestic Basic Edition)

Truck positioning	Statistics report
Remote diagnosis	Truck management
Remote monitoring	Identity recognition
Maintenance remind	Weighing management (optional)
Battery management	Collision management (optional)



**EASY MAINTENANCE**  
Time-saving, convenient  
and efficient

## Manufacturer and Technical Data

Characteristics						
1.01	Manufacturer			HELI		
1.02	Model			CPD15SQ	CPD16SQ	CPD18SQ
1.03	Configuration number			A2LiG3-M	A2LiG3-M	A2LiG3-M
1.04	Rated capacity	Q	kg	1500	1600	1800
1.05	Load center distance	c	mm	500		
1.06	Power mode			Lithium Battery		
1.07	Driving mode			seated		
1.08	Front overhang	x	mm	367	367	367
1.09	Wheelbase	y	mm	1292	1292	1400
Weight						
2.01	Total weight (with/without battery)		kg	2930/2650	3030/2750	3180/2900
2.02	Axle load (laden,front/rear)		kg	3870/560	4035/595	4375/605
2.03	Axle load (unladen,front/rear)		kg	1365/1565	1360/1670	1365/1815
Tyres						
3.01	Tyre type			Solid tyre	Solid tyre	Solid tyre
3.02	Tyre size,front			18×7-8	18×7-8	200/50-10
3.03	Tyre size,rear			140/55-9		
3.04	Wheels,number front/rear(x=driven wheels)			2×/2		
3.05	Tread, front	b10	mm	920	920	930
3.06	Tread, rear	b11	mm	205		
Dimensions						
4.01	Mast tilt angle (forward/backward)	α/β	°	5/7		
4.02	Height (mast lowered)	h1	mm	2000	2000	2000
4.03	Free lifting height	h2	mm	105	105	110
4.04	Lifting height (standard)	h3	mm	3000		
4.05	Max. height,extended (with backrest)	h4	mm	4038		
4.06	Height of overhead guard	h6	mm	2040		
4.07	Seat height relating to SIP (to ground)	h7	mm	1042		
4.08	Towing coupling height	h10	mm	482		
4.09	Overall length (with fork)	l1	mm	2820	2835	2865
4.10	Overall length (without fork)	l2	mm	1900	1915	1945
4.11	Overall width	b1	mm	1076	1076	1120
4.12	Fork size:thickness x width x length	s/e/l	mm	35×100×920	35×100×920	35×100×920
4.13	Fork carriage,according to ISO2328			2A		
4.14	Distance across fork-arms, Max./Min.	b5	mm	960/200	960/200	960/200
4.15	Ground clearance (at mast)	m1	mm	90		
4.16	Ground clearance (center of wheelbase)	m2	mm	100		
4.17	Right angle stacking aisle width for pallet1000 x1200mm crossways	Ast	mm	3200	3220	3250
4.18	Right angle stacking aisle width for pallet800 x1200mm lengthways	Ast	mm	3330	3350	3380
4.19	Min. outside turning radius	Wa	mm	1515	1530	1560
Performance Data						
5.01	Travel speed (laden/unladen)		km/h	16/16	16/16	16/16
5.02	Lift speed (laden/unladen)		mm/s	450/600	430/600	430/600
5.03	Lowering speed (laden/unladen)		mm/s	470/500		
5.04	Max.drawbar pull (laden)		N	13500	13500	14000
5.05	Max.gradeability (laden/unladen)		%	20	20	20
5.06	Acceleration time(10 m)(laden/unladen)		s	5.4/5	5.4/5	5.4/5
Battery						
6.01	Battery voltage/Capacity		V/Ah	80/202	80/202	80/202
6.02	Battery weight		kg	280	280	280
Motor and controller						
7.01	Driving motor powering (S2-60min)		kW	5.5×2	5.5×2	5.5×2
7.02	Lifting motor powering (S3-15%)		kW	16.5	16.5	16.5
7.03	Driving motor controlling mode			MOSFET/AC		
7.04	Lifting motor controlling mode			MOSFET/AC		
Addition data						
8.01	Service brake/Parking brake			Hydraulic/mechanical		
8.02	Relief pressure		Mpa	17.5	17.5	22.5

