

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)	○
	Semi-enclosed seat	○
	USB (5V/1A)	●
	Steering with steering wheel start	●
	Mechanical operation valve	●
For driving comfort	Colorful instrument	●
	Full suspension seat	○
	Electromagnetic operated valve	○
	Fan	○
	Heater	○
	Panel mounted cab	○
	Front windshield	○
For cab/windshield	Rear windshield	○
	Top windshield	○
	LED lights	●
For lighting	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	○
	LED rotating and beep warning light	○
	Metric thread	●
	Solid tyre	●
	Solid tyre without travelling marking	○
Others	Sleeve for tilting cylinder	○
	FCS	●

Note: ● standard; ○ optional;



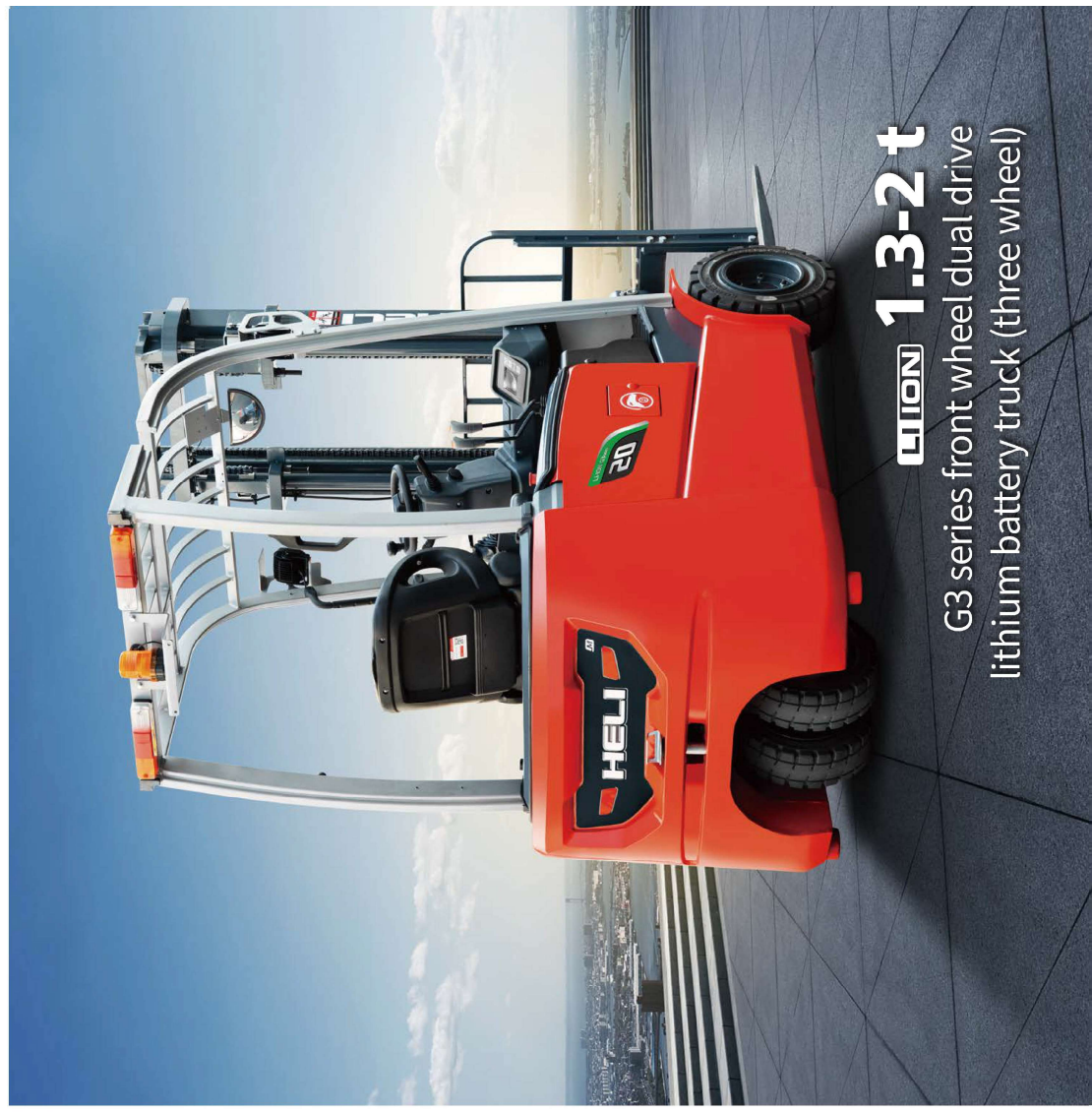
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CPD13/15/16/ 18/20SQ

A2Li(P)G3-M/A6LiG3-S

LITON 1.3-2t
 G3 series front wheel dual drive
 lithium battery truck (three wheel)



POWERFUL AND FLEXIBLE

-  Comfort and energy saving
-  Intelligent security

-  Stable and reliable
-  Convenient maintenance

APPEARANCE

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

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

G3 series family design elements

Sheet metal stamping type side cover, side door

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



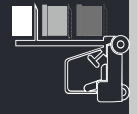
16km/h
Driving speed



20%
Maximum gradeability with load



0.45m/s
Maximum lifting speed with load



Good bearing capacity at high position



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.

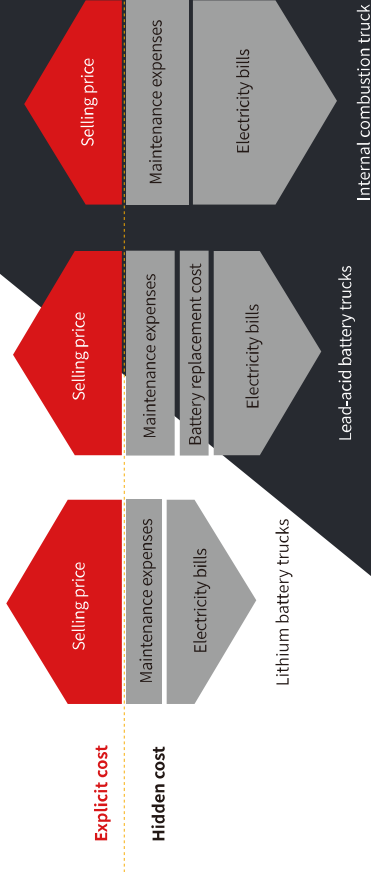


Ratchet type hand brake is safe and reliable.

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 IP74 protection level after simulating operation under 120 mm rainstorm and it meets outdoor operation requirements.



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



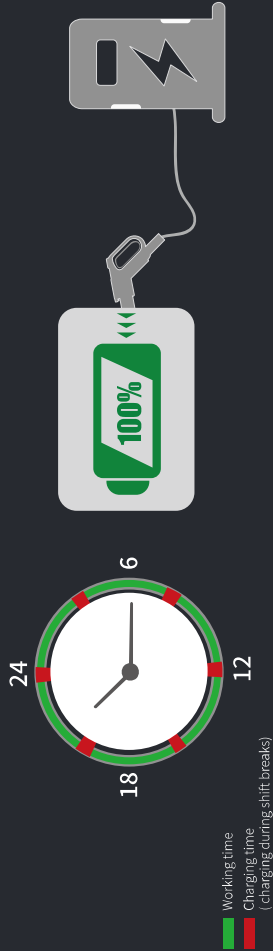
Cold storage test
The whole truck was operated alternately in a -20 °C cold storage for 6 hours, and parked in the cold storage for 12 hours. The whole truck has no faults and could operate continuously



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

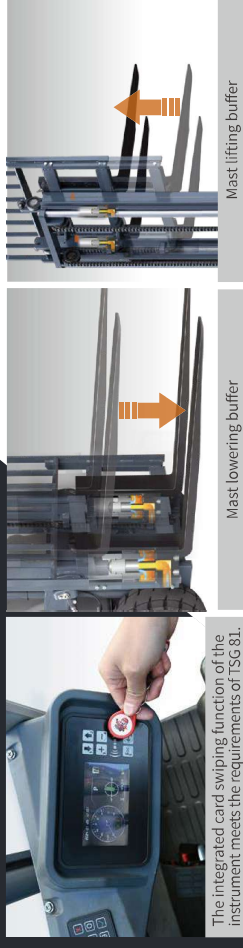
- The truck is standard equipped with 202Ah lithium battery which has ultra long battery life.
- The battery satisfies uninterrupted operation during all day.
- The 2t truck model can be equipped with a maximum optional 404Ah lithium battery.



INTELLIGENT SAFETY

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

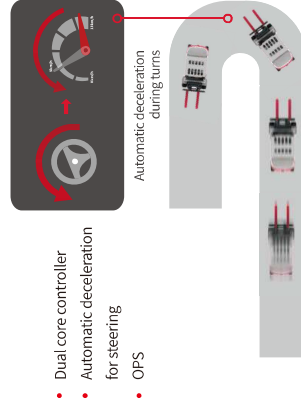
- Electric brake and wet type brake offer dual protections
- Intelligent differential speed of left and right motors
- Hydraulic pipeline anti-burst protection, forward tilt self-locking protection
- Electrical multiple protection: dual wire system, short circuit protection, overheating protection, low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



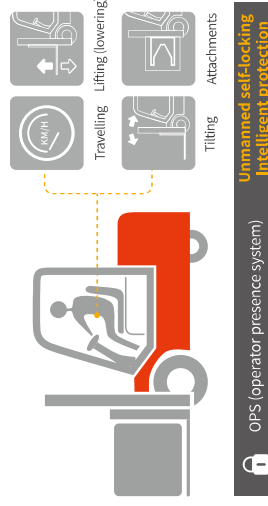
The integrated card swiping function of the instrument meets the requirements of TSG 8L.

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)

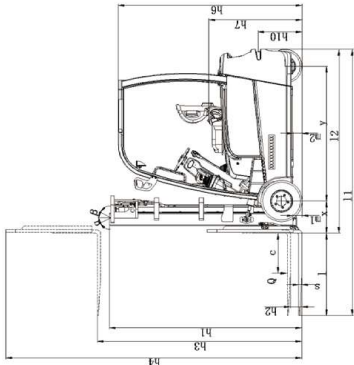
Truck positioning	Statistics report
Remote diagnosis	Truck management
Remote monitoring	Identity recognition
Maintenance remind	Weighing management (optional)
Battery management	Collision management (optional)



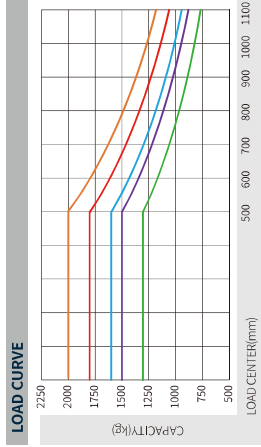
EASY MAINTENANCE
Time-saving, convenient and efficient

Characteristics									
1.01 Manufacturer									
1.02 Model									
1.03 Configuration number									
1.04 Rated capacity	Q	kg							
1.05 Load center distance	c	mm							
1.06 Power mode									
1.07 Driving mode									
1.08 Front overhang	x	mm							
1.09 Wheelbase	y	mm							
1.10 Weight		kg							
2.01 Total weight (with/without battery)		kg							
2.02 Axle load (laden, front/rear)		kg							
2.03 Axle load (unladen, front/rear)		kg							
Tyres									
3.01 Tyre type									
3.02 Tyre size, front		18×7-8							
3.03 Tyre size, rear		18×7-8							
3.04 Number of wheels, front/rear (= drive wheels)		2×2							
3.05 Tread, front	b10	mm							
3.06 Tread, rear	b11	mm							
Dimensions									
4.01 Mast tilt angle (forward/backward)	α/β °	5/7							
4.02 Height (mast lowered)	h1	mm							
4.03 Free lifting height	h2	mm							
4.04 Lifting height (standard)	h3	mm							
4.05 Max. height (extended with backrest)	h4	mm							
4.06 Height of overhead gear	h6	mm							
4.07 Seat height relating to S/R (= to ground)	h7	mm							
4.08 Towing coupling height	h10	mm							
4.09 Overall length (with fork)	l1	mm							
4.10 Overall length (without fork)	l2	mm							
4.11 Overall width	b1	mm							
4.12 Fork size/thickness x width x length	s/g/l	mm							
4.13 Fork carriage according to ISO2328	b5	mm							
4.14 Distance across fork-arms, Max./Min.	m1/m2	mm							
4.15 Ground clearance (at mast)	m2	mm							
4.16 Ground clearance (center of wheelbase)	As1	mm							
4.17 Right angle stacking side width to pallet (100 x 1200mm crossways)	As2	mm							
4.18 Right angle stacking side width to pallet (100 x 1200mm lengthways)	As3	mm							
4.19 Min. outside turning radius	Wa	mm							
Performance data									
5.01 Travel speed (laden/unladen)	km/h	16/16							
5.02 Lift speed (laden/unladen)	mm/s	450/600							
5.03 Lowering speed (laden/unladen)	mm/s	350/450							
5.04 Max. drawbar pull (laden)	N	13500							
5.05 Max. gradeability (laden/unladen)	%	20							
5.06 Acceleration time (10 m) (laden/unladen)	s	5.4/5							
Battery									
6.01 Battery voltage/Capacity	V/Ah	80/150							
Motor and controller									
7.01 Driving motor powering (S2-60min)	kW	5.5×2							
7.02 Lifting motor powering (S3-15%)	kW	12							
7.03 Driving motor controlling mode		MOSEF/AC							
7.04 Lifting motor controlling mode		MOSEF/AC							
Additional data									
8.01 Service brake/Parking brake	Mpa	17.5							
8.02 Relief pressure									

Note: P refers to the battery side pulling.



Ast: Right angle stacking aisle width
at: Clearance 200mm



Note: The vertical axis stands for load capacity while the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load. The standard load means a cubic with 1000mm edge length. When the mast is tilted forward, the worker using nonstandard forks for loading large goods, the load capacity will be reduced. The load capacity of standard mast at different load center can be known from this load chart.