GEMINI EQUIPMENT & ENGINEERING CO., LTD

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GFE SERIES

GEMINI LIFT

LITHIUM BATTERY COUNTERWEIGHT FOUR WHEELS FORKLIFT
GEMINI EQUIPMENT & ENGINEERING CO., LTD

PERFORMANCE
SUPER POWERFUL

LITHIUM-FE BATTERY, SAFE & RELIABLE, POWER-SAVING & ENVIRONMENTAL-FRIENDLY

CHINA FORKLIFT INDUSTRY LEADERS, YOUR FIRST CHOICE FOR CARRY!

Vehicle advantage

Maintenance-free permanent magnet synchronous motor for the whole vehicle

Driving motor

The oil pump motor adopts permanent magnet synchronous motor without maintenance, with large torque, high efficiency, greatly improved reliability and service life

Battery design

Standard battery 80V/350Ah

Vehicle optimization design

The transmission system adopts horizontal drive axles, arranged in parallel, with a large transmission ratio and good stability of the vehicle

Comfortable and easy to handle

The whole vehicle adopts the forward-moving vehicle control method, which makes the driver's operating space comfortable and saves effort.

3.0T/3.5T

TECHINICAL PARAMETER
技术参数

Generals 概要						
1.1			Model 型号	UNIT	GFE30	GFE35
1.2			Powertype 动力形式		Battery	
1.3			Rated capacity 额定载荷	kg	3000	3500
1.4			Loadcenter 载荷中心距	mm	500	500
Dimensions 尺寸						
2.1			Liftheight 起升高度	mm	3000	3000
2.2			Free liftheight 自由起升高度	mm	130	130
2.3			Fork size(L*W*T) 货叉尺寸	mm	1070x125x45	1070x125x45
2.4			Fork outside spread(Min./Max.) 货叉间距 (外侧)	mm	300/1200	300/1200
2.5			Mast tilt range(F/R) 门架倾角 (前 / 后)	deg	6/12	6/12
2.6			Front overhang 前悬距	mm	490	490
2.7	Overall Dimensions 外形尺寸	Length to face of fork 总长	Withoutfork 总长不带货叉	mm	2680	2730
2.8			Withfork 带货叉	mm	3750	3800
2.9			Wheel width 车轮宽	mm	1225	1225
2.10			Mast lowered height 门架不起升高度	mm	2095	2095
2.11			Mast extended height 门架起升高度	mm	4180	4180
2.12			Overthead guard height 安全架高度	mm	2130	2130
2.13			Turningradus 最小转弯半径	mm	2460	2510
2.14			Min. right angle aislewith 最小直角通道宽度	mm	2105	2200
Performance 性能						
3.1			Travel speed (unload/full load) 行驶速度 (空载 / 满载)	km/h	18	18
3.2			Lift speed (unload/ fullload) 起升速度 (空载 / 满载)	mm/s	300	300
3.3			Self weight 自重	kg	4300	4600
3.4			Max. gradeability 最大爬坡度	%	15/15	15
Wheel&Tires 底盘						
4.1		Tires 轮胎	Front 前轮		28x9-15-12PR	28x9-15-12PR
4.2			Rear 后轮		6.50-10-10PR	6.50-10-10PR
4.3		Tread 轮距	Front 前轮	mm	1000	1000
4.4			Rear 后轮	mm	970	970
4.5			Wheelbase 轴距	mm	1700	1700
4.6		Min. ground clearance 最小离地间隙	Mast 门架	mm	152/132	152/132
4.7		(unload/ full load) (空载 / 满载)	Chassis 车架	mm	158/138	158/138
Drive units 动力						
5.1			Rated power of driving motor 驱动电机额定功率 S2	kW	16	16
5.2			Rated power of lifting motor 起升电机额定功率 S2	kW	13	13
5.3			Operating pressure 工作压力	mpa	17.5	17.5
5.4			Battery 蓄电池 (可选配)	V/Ah	80V/350Ah	80V/350Ah

* 若有技术参数或配置的改进，恕不另行通知，所示图表可能含非标配置

Standard Configuration

- MOS tube electric control
- Electric horn
- Reversing light
- Handle
- Headlights
- Standard fork
- Shelf
- rear light
- Hydraulic oil dipstick
- Cable Parking Brake
- Charger
- Hydraulic oil suction filter
- Roof rack rain cover
- Lithium battery pack
- Turn signal
- Reversing buzzer
- Towing pin
- Standard seat
- Tilt adjustable steering wheel
- Vehicle tools
- Mirror
- Inclined oil circuit self-locking valve
- Lift Tilt Joystick
- Light switch
- Patterned Durable Tires
- Direction switch
- Hydraulic oil return filter
- Lifting oil circuit speed limiting valve
- Chronograph
- Two-piece multi-way valve
- rear light
- Wide view mast
- Brake
- Full hydraulic power steering

Optional Configuration

- Windshield
- Cab
- Warning Light
- Rear blue light
- Two-stage and three-stage full-free mast
- Fire extinguisher
- Specify the color
- Lamp guard
- Customized seat
- Various accessories
- Environmentally friendly solid tires
- Small fan
- Extended fork
- Solid tire
- Rear lighting headlights
- Heater

2M Wide View Basic Mast Frame

Lifting height	3T		3.5T		Mast full height									
					3T					3.5T				
					Fork landing (mm)	Fully extended		Mast inclination Front/back		Fork landing (mm)	Fully extended		Mast inclination Front/back	
Front wheel (mm)	Front Single tire (kg)	Front twin tires (kg)	Front Single tire (kg)	Front twin tires (kg)		With Shelf (mm)	No back shelf (mm)	Front Single tire (°)	Front twin tires (°)		With Shelf (mm)	No back shelf (mm)	Front Single tire (°)	Front twin tires (°)
2000	3000	3000	3500	3500	1575	3260	2730	8/10	8/10	1575	3230	2700	8/10	8/10
2500	3000	3000	3500	3500	1825	3760	3230	8/10	8/10	1825	3730	3200	8/10	8/10
2700	3000	3000	3500	3500	1925	3960	3430	8/10	8/10	1925	3930	3400	8/10	8/10
3000	3000	3000	3500	3500	2075	4260	3730	8/10	8/10	2075	4260	3730	8/10	8/10
3300	3000	3000	3500	3500	2225	4560	4030	8/10	8/10	2225	4530	4000	8/10	8/10
3500	3000	3000	3500	3500	2325	4760	4230	8/10	8/10	2325	4730	4200	8/10	8/10
3600	3000	3000	3500	3500	2375	4860	4330	8/10	8/10	2375	4830	4300	8/10	8/10
3700	3000	3000	3500	3500	2425	4960	4430	6/6	8/10	2425	4930	4400	6/6	8/10
4000	2850	3000	3500	3500	2625	5260	4730	6/6	8/10	2625	5230	4700	6/6	8/10
4250	2600	3000	3500	3500	2750	5510	4980	6/6	8/10	2750	5480	4950	6/6	8/10
4500	2400	2900	3050	3500	2875	5760	5230	6/6	6/6	2875	5730	5200	6/6	6/6
5000	--	2850	2600	3150	3125	6260	5730	6/6	6/6	3125	6230	5700	6/6	6/6
5500	--	2400	--	2850	3425	6760	6230	--	3/6	3425	6730	6200	--	3/6
6000	--	2000	--	2500	3675	7260	6730	--	3/6	3675	7230	6700	--	3/6

BM Two-stage Free Mast

Lifting height	3T		3.5T		Mast full height														
					3T							3.5T							
					Fork landing (mm)	Fully extended		Free		Mast inclination Front/back		Fork landing (mm)	Fully extended		Free		Mast inclination Front/back	
Front wheel (mm)	Front Single tire (kg)	Front twin tires (kg)	Front Single tire (kg)	Front twin tires (kg)		With Shelf (mm)	No back shelf (mm)	With Shelf (mm)	No back shelf (mm)	Front Single tire (°)	Front twin tires (°)		With Shelf (mm)	No back shelf (mm)	With Shelf (mm)	No back shelf (mm)	Front Single tire (°)	Front twin tires (°)
2000	3000	3000	3500	3500	1575	3270	2740	315	845	8/10	8/10	1670	3270	2740	440	970	8/10	8/10
2500	3000	3000	3500	3500	1825	3770	3240	565	1095	8/10	8/10	1920	3770	3240	690	1220	8/10	8/10
2700	3000	3000	3500	3500	1925	3970	3440	665	1195	8/10	8/10	2020	3970	3440	790	1320	8/10	8/10
3000	3000	3000	3500	3500	2075	4270	3740	815	1345	8/10	8/10	2170	4270	3740	940	1470	8/10	8/10
3300	3000	3000	3500	3500	2225	4570	4040	965	1495	8/10	8/10	2320	4570	4040	1090	1620	8/10	8/10
3500	3000	3000	3500	3500	2325	4770	4240	1065	1595	8/10	8/10	2420	4770	4240	1190	1720	8/10	8/10
3600	3000	3000	3500	3500	2375	4870	4340	1115	1645	8/10	8/10	2470	4870	4340	1240	1770	8/10	8/10
3700	3000	3000	3500	3500	2425	4970	4440	1165	1695	8/10	8/10	2520	4970	4440	1290	1820	6/6	8/10
4000	2850	3000	3500	3500	2625	5270	4740	1365	1895	6/6	8/10	2720	5270	4740	1440	1970	6/6	8/10
4250	2600	3000	3500	3500	2750	5520	4990	1490	2020	6/6	8/10	2845	5520	4990	1565	2095	6/6	8/10
4500	2600	3000	3050	3500	2875	5770	5240	1615	2145	6/6	6/6	2970	5770	5240	1690	2220	6/6	6/6

CM Three- stage Free Mast

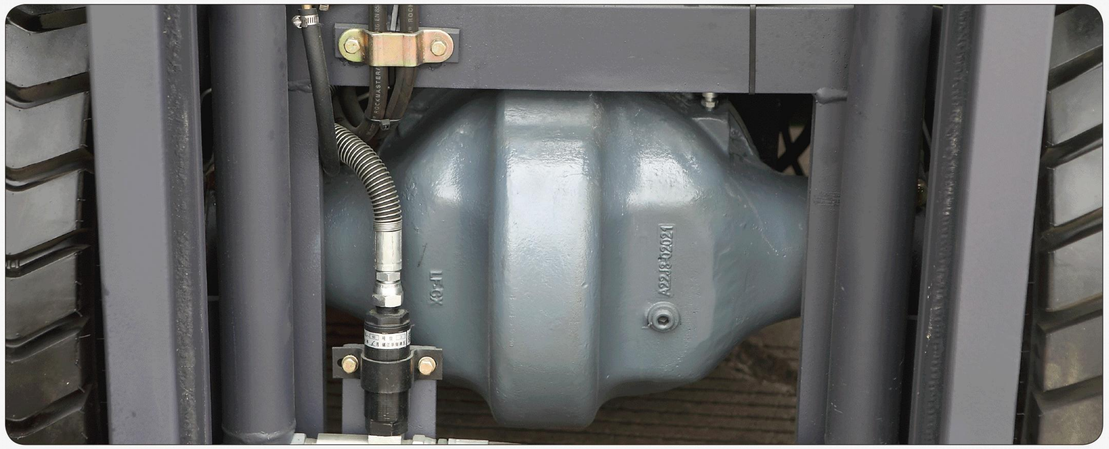
Lifting height	3T		3.5T		Mast full height										
					3T					3.5T					
					Fork landing (mm)	Fully extended		Free		Fork landing (mm)	Fully extended		Free		Mast inclination
Front wheel (mm)	Front Single tire (kg)	Front twin tires (kg)	Front Single tire (kg)	Front twin tires (kg)		With Shelf (mm)	No back shelf (mm)	With Shelf (mm)	No back shelf (mm)		With Shelf (mm)	No back shelf (mm)	With Shelf (mm)	No back shelf (mm)	Front/back (°)
3600	2900	3000	3400	3400	1800	4870	4340	570	1100	1800	4870	4340	570	1100	6/6
4000	2850	3000	3350	3400	1935	5270	4740	705	1235	1935	5270	4740	705	1235	6/6
4200	2800	3000	3300	3400	2000	5470	4940	770	1300	2000	5470	4940	770	1300	6/6
4350	2700	2900	3200	3400	2050	5620	5090	820	1350	2050	5620	5090	820	1350	6/6
4500	2600	2800	3100	3300	2100	5770	5240	870	1400	2100	5770	5240	870	1400	6/6
4800	2400	2700	2900	3200	2200	6070	5540	970	1500	2200	6070	5540	970	1500	6/6
5000	2100	2350	2600	2900	2265	6270	5740	1035	1565	2270	6270	5740	1040	1570	6/6
5500	2000	2300	2500	2800	2485	6770	6240	1255	1785	2485	6770	6240	1255	1785	3/6
6000	1300	1950	1750	2500	2650	7270	6740	1370	1900	2650	7270	6740	1420	1950	3/6

Permanent magnet
motor saves power

3.0T/3.5T

12 advantages

Stable and reliable
Cast drive axle, steering axle, overall strength improvement

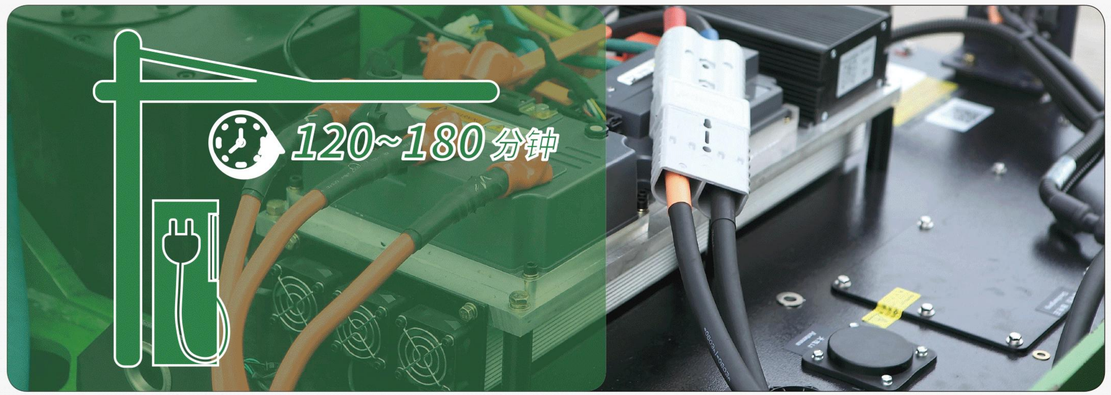


Mast drop buffer
Effectively reduce the impact of the unloading drop, more stable and safe.

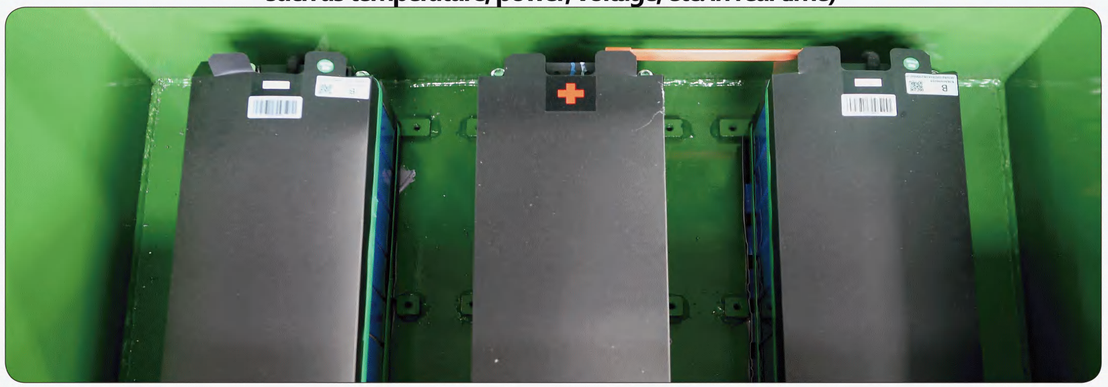
Smart interface display, simple and intuitive
Various performances, at a glance, can display fault codes

Luxury seat (suspended)
When the driver leaves the seat, the whole vehicle does not work, ensuring the safety of the vehicle and the vehicle. The seat has good shock absorption and wrapping properties, making driving more comfortable.

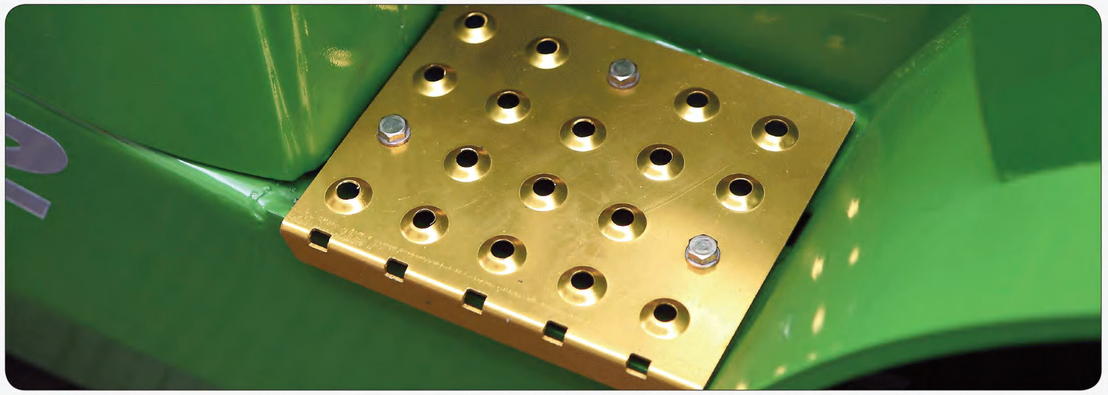
Energy saving and environmental protection
2 hours of charging, 8 hours of battery life, super long battery life.



Electric control system and lithium battery maintenance-free
Permanent magnet motor, protection grade IP54, maintenance-free; lithium battery can be charged at any time, no need to add distilled water, etc.
maintenance free
(Fe-lithium battery, small shape, does not take up space, the interface can display charging information such as temperature, power, voltage, etc. in real time)



Golden pedal
The golden yellow pedals are full of dignity.

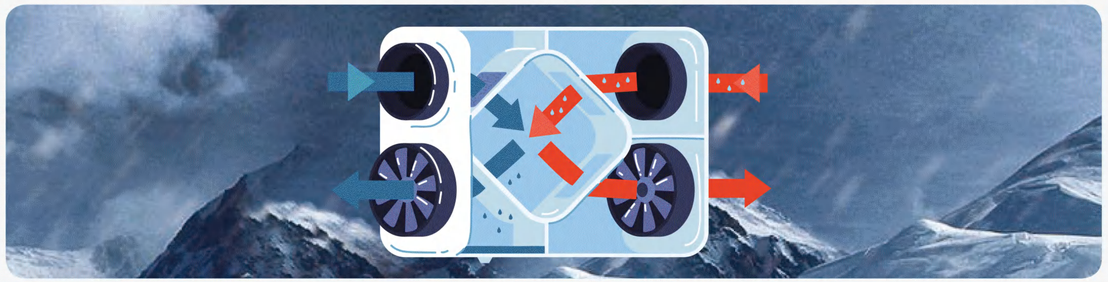


Durable
High-strength internal combustion counterweight vehicle body

Working Environment
Use ambient temperature -30 to 60 degrees Celsius

Gradeability
15 degrees with full load.

Air cooling system
Intelligent control of the fan prevents the forklift from stopping due to overheating protection.



Degree of protection
Ip65 protection level can realize the same working conditions as internal combustion forklifts.

1.5T/1.8T

TECHINICAL PARAMETER
技术参数

Generals 概要						
1.1			Model 型号	UNIT	GFE15	GFE18
1.2			Powertype 动力形式		Battery	
1.3			Rated capacity 额定载荷	kg	1500	1800
1.4			Loadcenter 载荷中心距	mm	450	450
Dimensions 尺寸						
2.1			Liftheight 起升高度	mm	3000	3000
2.2			Free liftheight 自由起升高度	mm	50	50
2.3			Fork size(L*W*T) 货叉尺寸	mm	920x100x35	920x100x35
2.4			Fork outside spread(Min./Max.) 货叉间距 (外侧)	mm	200/980	200/980
2.5			Mast tilt range(F/R) 门架倾角 (前 / 后)	deg	6/12	6/12
2.6			Front overhang 前悬距	mm	548	548
2.7	Overall Dimensions 外形尺寸	Length to face of fork 总长	Withoutfork 总长不带货叉	mm	2150	2380
2.8			Withfork 带货叉	mm	3230	3230
2.9			Wheel width 车轮宽	mm	1485	1485
2.10			Mast lowered height 门架不起升高度	mm	2025	2025
2.11			Mast extended height 门架起升高度	mm	3960	3960
2.12			Overthead guard height 安全架高度	mm	2165	2150
2.13			Turningradus 最小转弯半径	mm	1960	2120
Performance 性能						
3.1			Travel speed (unload/full load) 行驶速度 (空载 / 满载)	km/h	16	16
3.2			Lift speed (unload/ fullload) 起升速度 (空载 / 满载)	mm/s	370	320
3.3			Self weight 自重	kg	2250	2450
3.4			Max. gradeability 最大爬坡度	%	15/20	15/20
Wheel&Tires 底盘						
4.1		Tires 轮胎	Front 前轮		6.50-10-10PR	6.50-10-10PR
4.2			Rear 后轮		5.00-8-10PR	5.00-8-10PR
4.3		Tread 轮距	Front 前轮距	mm	920	920
4.4			Rear 后轮距	mm	920	920
4.5			Wheelbase 轴距	mm	1380	1380
4.6		Min. ground clearance 最小离地间隙 (unload/ full load) (空载 / 满载)	Mast 门架	mm	110/90	110/90
4.7			Chassis 车架	mm	110/90	110/90
Drive units 动力						
5.1			Rated power of driving motor 驱动电机额定功率 S2	kW	6	6
5.2			Rated power of lifting motor 起升电机额定功率 S2	kW	6	6
5.3			Operating pressure 工作压力	mpa	17.5	17.5
5.4			Battery 蓄电池 (可选配)	V/Ah	80V/120Ah	80V/120Ah

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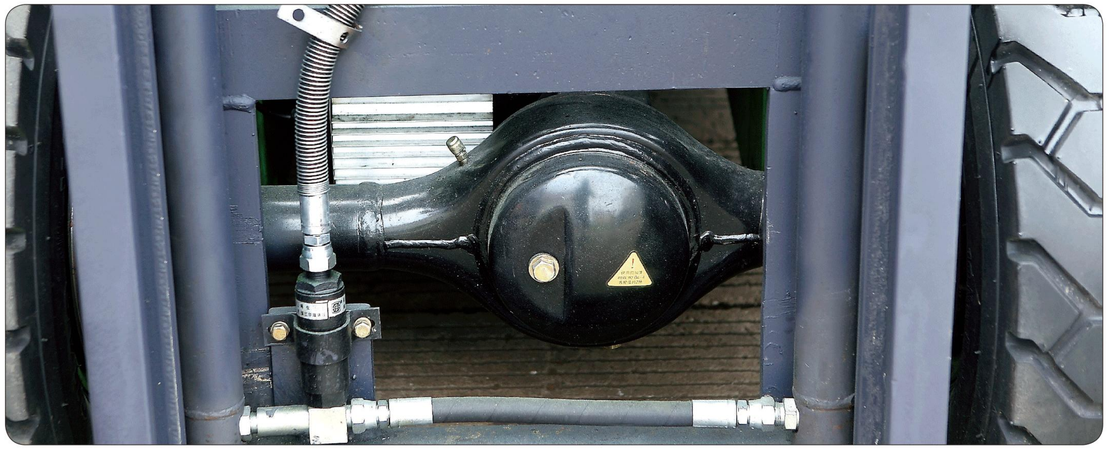
Permanent magnet
motor saves power

1.5T/1.8T

12 advantages

Stable and reliable
Cast drive axle, steering axle, overall strength improvement



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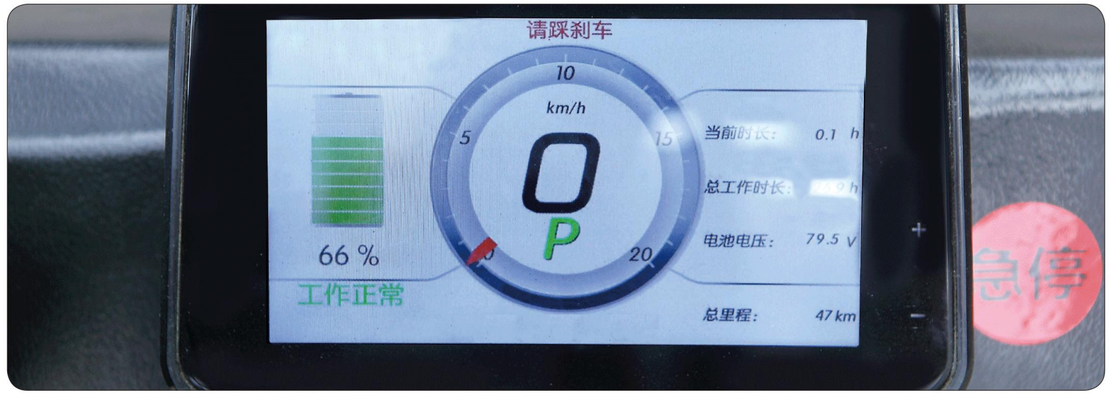
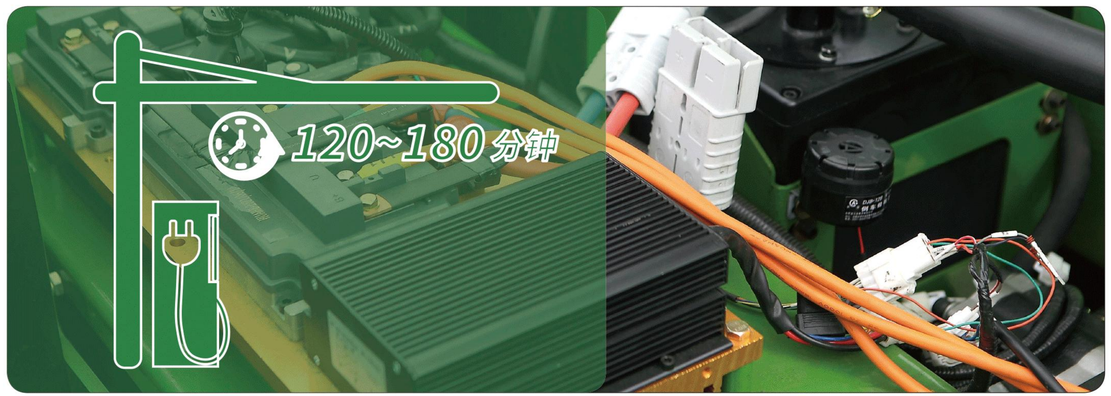


Optional with LED lights
Nighttime work is safer

Energy conservation and environmental protection
Charging for 2 hours, battery life of Lv hours, ultra long battery life



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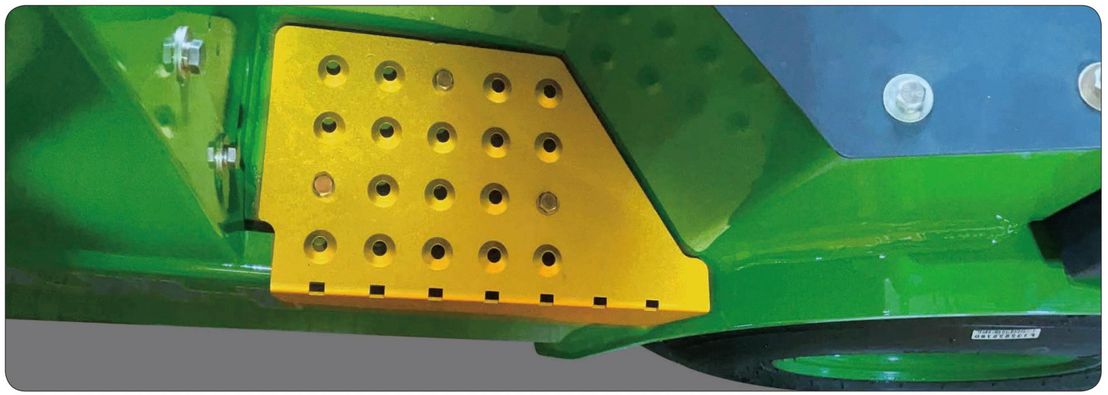

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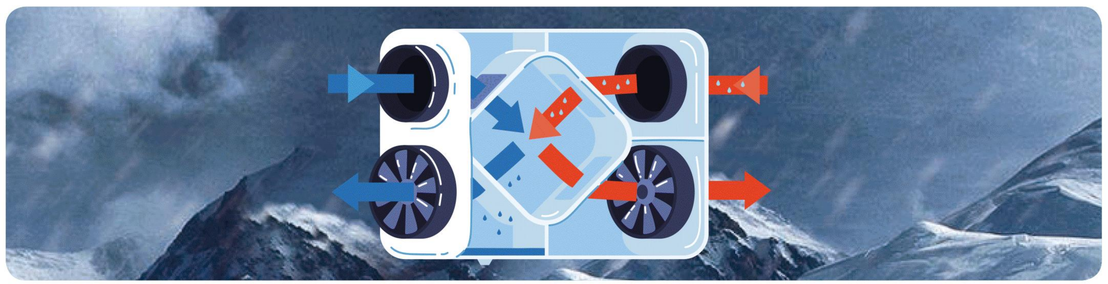

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