

We Promise, We deliver

NOBLELIFT

FE4P25Q-35Q

Four wheel Li-ion Electric Forklift



 Professional Lithium-iron Forklift

NOBLELIFT
AUSTRALIA

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Official Website

-  Excellent ergonomic design
-  Li-ion / BS
-  Easy maintenance
-  Robust design
-  Capacity: 2500-3500Kg
-  High performance

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ARRIVAL

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Standard Lithium Power, High Efficiency

Q Series Forklift Lithium battery option (LFP)

Model	Standard	Optional
FE4P25—28Q	200Ah	300/400Ah
FE4P30Q	200Ah	300/400Ah
FE4P35Q	300Ah	400Ah



All lithium-iron batteries are equipped with built-in battery management system(BMS) that manages all important data during charging and discharging. The management of the battery by BMS can ensure the safety of the battery throughout its life cycle. Lithium-iron batteries have been certified for safe transportation(by air and sea) and operating standards.



Optional:
automotive type intelligent plug-in charging gun with high frequency charging technology.
Note: press the "stop" button of the charger before pulling the gun.



Standard:
REMA/Anderson plugin.



Fast charging with battery to fully charged in 2-3 hours. The intelligent high frequency charger has a working efficiency of more than 95%, which is much higher than the 80% working efficiency of traditional low frequency charger.

FE4P25Q—35Q	
Workable for Models	Standard
Nominal Battery Capacity	200/300/400Ah
Voltage	80V
Cell Chemistry	Lithium/Iron Phosphate
Operating Temperatue	-20 °C ~ +55 °C
Optional Charger	80V /65A(80V/100A/150A/200A)
Charging time	2-3H
Operating Temperature for charger	0°C~55°C -20°C~55°C (With auxiliary heating function)

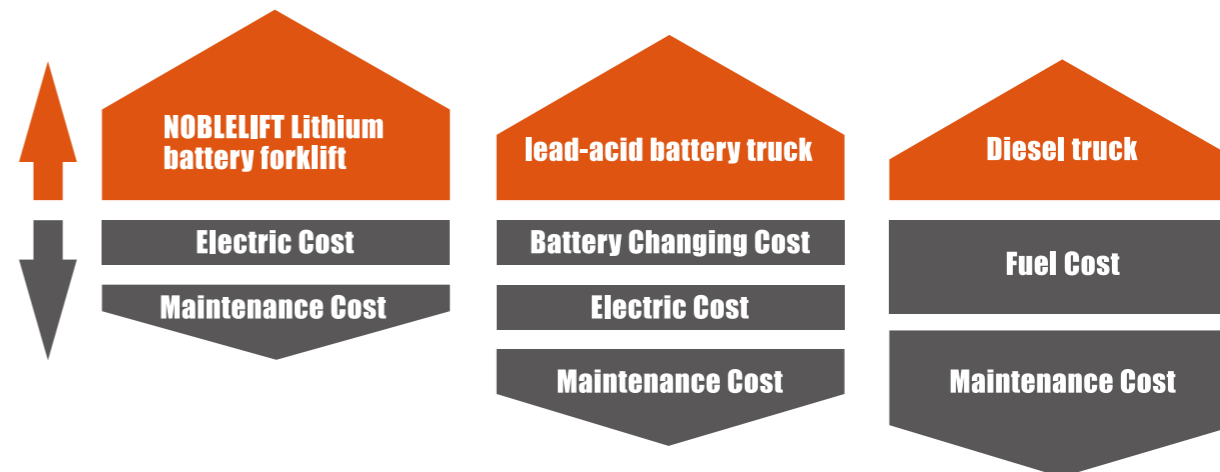
FAST CHARGING

Charge your battery whenever and wherever you need

- The lithium battery is more environment friendly. There is no acid evaporation, odor and pollution during the charging process. The operation of Li-ion powered trucks is relatively quiet and zero carbon dioxide emissions. Therefore, Li-ion powered trucks is an ideal plan for the industry that has environment concern, such as food processing, chemical and pharmaceutical industries.

1. Lithium battery

- 2. Lead acid battery in productivity
- 3. Lead acid battery in life cycle
- 4. Lead acid battery in total value



ENVIRONMENT-FRIENDLY

High cost performance

- The lithium battery is more environment friendly. There is no acid evaporation, odor and pollution during the charging process. The operation of Li-ion powered trucks is relatively quiet and zero carbon dioxide emissions. Therefore, Li-ion powered trucks is an ideal plan for the industry that has environment concern, such as food processing, chemical and pharmaceutical industries.
- Each lithium truck requires only one battery attributing to its fast charging feature no matter how many work shifts. Lifetime of lithium battery is three times that of lead acid battery. The maintenance-free feature of lithium battery gives much higher performance than lead-acid battery.

SAFETY

Efficient, Maintenance-free

- Lithium battery reduces 35% energy consumption, requires no specified charging area, exempts from cost for battery maintenance and saves on space.
- The lithium battery system is composed of high-safety high-density lithium iron phosphate intelligent battery management system (BMS), thermal management system, and automotive-grade DC high-voltage control system. BMS communicates between the power lithium battery and controller, the truck itself, the charger and the remote management platform, real-time detection of the status of the lithium battery, the operating sate of the truck and the charging state, so as to maximize the safety and reliability of lithium batteries.

Product Introduction

- The FE4P25Q-35Q is a cost-effective electric forklift with combination of traditional Internal Combustion forklifts and lithium-iron powered electric forklifts, it has a large operator space for comfortable operation. The standard configuration is lithium iron phosphate (LFP) battery with efficient fast charging. Optional different battery capacities: the standard configuration is 80V200Ah, optional 80V300Ah and 400Ah.
- Standard full AC control system and optional fleet management system. Standard REMA/Anderson connection for charging, optional automotive type intelligent plug-in high frequency charging technology.
- The mast system, front and rear axles as well as the durability of chassis is similar to traditional Internal Combustion forklifts. The truck combinest the durability of Internal Combustion forklift with layout advantage of Li-iron electric forklift, so that the truck's weight is light and gravity center is optimised, therefore the overall energy consumption is improved.



The truck has a long tiller ratchet parking brake design for easy operation.



Ratchet-type parking brake allows the truck stop and hold at a slope of 15% without concern.



The seat can be adjusted back and forth so that the operator can choose the ideal driving position.



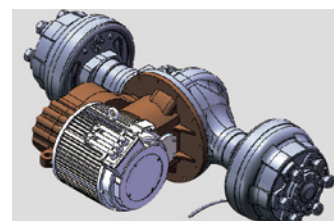
U design of steering wheel, front-located multi-way valve operating device makes the operation effortless and comfortable.



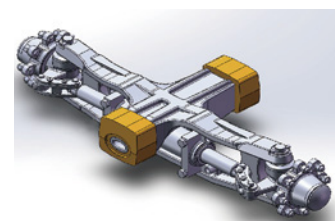
Wide view through the optimized mast and hydraulic design, the forks with intelligent buffer, protect the goods from damage from hitting the ground.



Superior Design and Performance



Drive system uses a horizontal fan-shaped drive axle arranged in parallel with a large transmission ratio. The battery is located at the bottom of chassis, the truck has good stability. Drive motor uses AC maintenance-free motor. Long wheelbase(1700mm)design, better stability.



Forged Integrated steering axle, with shock mitigation system with excellent driving comfort and prolongs the service life.



Lifting Motor located in high position so the truck can operate in areas where water may be present.



Ergonomically designed LED display with large screen and great visibility for easy control and operation with all around truck information.



Big diameter tyres with better performance for outdoor application, and comfortable driving experience, optional to have solid tyres and non marking tyres.



Simplified Structure for Easy Maintenance



Simplified structure without compromising on the strength.



Controller assembly located on higher position for better ventilation and maintenance.



Mast Table FE4P25—28Q												
Designation	Lift height		Free Lift		Closed mast height		Extended mast height		Tilt forward/backward		Capacity table(kg) C=500mm without sideshift, single pneumatic tyres	
	h3 (mm)		h2 (mm)		h1 (mm)		h4 (mm)		$\alpha / \beta(^{\circ})$			
	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q	FE4P25Q	FE4P28Q
Two-stage ZT	2000	2000	130	135	1570	1570	2974	3079	6/10	6/10	2500	2800
	2500	2500	130	135	1820	1820	3474	3579	6/10	6/10	2500	2800
	3000	3000	130	135	2070	2070	3974	4079	6/10	6/10	2500	2800
	3300	3300	130	135	2220	2220	4274	4379	6/10	6/10	2500	2800
	3500	3500	130	135	2320	2320	4474	4579	6/10	6/10	2500	2700
	3600	3600	130	135	2370	2370	4574	4679	6/10	6/10	2500	2700
	3700	3700	130	135	2420	2420	4674	4779	6/10	6/10	2500	2700
	4000	4000	130	135	2620	2620	4974	5079	6/6	6/6	2450	2650
	4300	4300	130	135	2770	2770	5274	5379	6/6	6/6	2100	2500
	4500	4500	130	135	2870	2870	5474	5579	6/6	6/6	2000	2250
5000	5000	130	135	3120	3120	5974	6079	6/6	6/6	1600	2050	
Two-stage ZZ	2000	2000	631	491	1570	1570	2968	3079	6/10	6/10	2500	2800
	2500	2500	881	741	1820	1820	3468	3579	6/10	6/10	2500	2800
	3000	3000	1131	991	2070	2070	3968	4079	6/10	6/10	2500	2800
	3300	3300	1281	1141	2220	2220	4268	4379	6/10	6/10	2500	2800
	3500	3500	1381	1241	2320	2320	4468	4579	6/10	6/10	2500	2700
	3600	3600	1431	1291	2370	2370	4568	4679	6/10	6/10	2500	2700
	3700	3700	1481	1341	2420	2420	4668	4779	6/6	6/6	2500	2700
	4000	4000	1681	1541	2620	2620	4968	5079	6/6	6/6	2400	2600
Three-stage DZ	4000	4000	1056	916	1995	1995	4978	5079	6/6	6/6	2300	2550
	4350	4300	1181	1041	2120	2120	5328	5379	6/6	6/6	2000	2400
	4500	4500	1231	1091	2170	2170	5476	5579	6/6	6/6	1900	2200
	4800	4800	1331	1191	2275	2275	5776	5879	6/6	6/6	1600	2100
	5000	5000	1474	1334	2413	2413	5976	6079	6/6	6/6	1500	2000
	5500	5500	1708	1568	2647	2647	6476	6579	3/6	3/6	1150	1500
	6000	6000	1941	1801	2880	2880	6976	7079	3/6	3/6	800	1100
6500	6500	2174	2034	3113	3113	7476	7579	3/3	3/3	500	750	

Free lift height (no load-backrest) +425mm

Mast Table FE4P30—35Q												
Designation	Lift height		Free Lift		Closed mast height		Extended mast height		Tilt forward/backward		Capacity table(kg) C=500mm without sideshift, single pneumatic tyres	
	h3 (mm)		h2 (mm)		h1 (mm)		h4 (mm)		$\alpha / \beta(^{\circ})$			
	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q	FE4P30Q	FE4P35Q
Two-stage ZT	2000	2000	140	145	1570	1680	3079	3079	6/10	6/10	3000	3500
	2500	2500	140	145	1820	1930	3579	3579	6/10	6/10	3000	3500
	3000	3000	140	145	2070	2180	4079	4079	6/10	6/10	3000	3500
	3300	3300	140	145	2220	2330	4379	4379	6/10	6/10	3000	3500
	3500	3500	140	145	2320	2430	4579	4579	6/10	6/10	3000	3500
	3600	3600	140	145	2370	2480	4679	4679	6/10	6/10	3000	3500
	3700	3700	140	145	2420	2530	4779	4779	6/10	6/10	2950	3250
	4000	4000	140	145	2620	2730	5079	5079	6/6	6/6	2850	3000
	4300	4300	140	145	2770	2880	5379	5379	6/6	6/6	2700	2800
	4500	4500	140	145	2870	2980	5579	5579	6/6	6/6	2500	2600
5000	5000	140	145	3120	3230	6079	6079	6/6	6/6	2100	2200	
Two-stage ZZ	2000	2000	563	491	1545	1570	3079	3079	6/10	6/10	3000	3500
	2500	2500	813	741	1795	1820	3579	3579	6/10	6/10	3000	3500
	3000	3000	1063	991	2045	2070	4079	4079	6/10	6/10	3000	3500
	3300	3300	1213	1141	2195	2220	4379	4379	6/10	6/10	3000	3500
	3500	3500	1313	1241	2295	2320	4579	4579	6/10	6/10	3000	3500
	3600	3600	1363	1291	2345	2370	4679	4679	6/10	6/10	3000	3500
	3700	3700	1413	1341	2395	2420	4779	4779	6/6	6/6	3000	3500
4000	4000	1613	1541	2595	2620	5079	5079	6/6	6/6	2850	3200	
Three-stage DZ	4000	4000	988	916	1970	1970	5079	5079	6/6	6/6	2750	3200
	4350	4300	1113	1041	2095	2095	5379	5379	6/6	6/6	2600	3000
	4500	4500	1163	1091	2145	2145	5579	5579	6/6	6/6	2400	3000
	4800	4800	1263	1191	2245	2245	5879	5879	6/6	6/6	2200	2500
	5000	5000	1406	1334	2388	2388	6079	6079	6/6	6/6	2000	2400
	5500	5500	1640	1568	2622	2622	6579	6579	3/6	3/6	1500	1750
	6000	6000	1873	1801	2855	2855	7079	7079	3/6	3/6	1200	1250
6500	6500	2107	2034	3088	3088	7579	7579	3/3	3/3	800	900	

Free lift height (no load-backrest) +425mm

FE4P25—35Q Battery Balance Weight Type Forklift													
Identification	No.	Description	Noblelift										
			FE4P25Q	FE4P25Q 2	FE4P28Q	FE4P28Q 2	FE4P30Q	FE4P30Q 2	FE4P35Q	FE4P35Q 2			
1.1	Manufacture(abbreviation)												
1.2	Manufacturer's type designation												
1.3	Drive:electric(battery or mains),diesel,petrol gas,manual)	electric											
1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)	seated											
1.5	Load capacity/rated load	Q (kg)	2500		2800		3000		3500				
1.6	Load centre distance	c (mm)	500										
1.8	Load distance,centre of drive axle to fork	x (mm)	478		483		478		483				
1.9	wheelbase	y (mm)	1620		1700	1620	1800		1700		1800 1700		
Weights	2.1	Service weight incl. battery(see line 6.5)	kg	3600	3985	3860	4370	4070	4570	4480	5030		
	2.2	Axle loading ,laden front/rear	kg	5500/600	5835/650	6010/650	6450/720	6390/680	6810/760	7140/840	7660/870		
	2.3	Axle loading,unladen front/rear	kg	1540/2060	1885/2100	1680/2180	2100/2270	1750/2320	2270/2300	1960/2520	2410/2620		
Wheels, Chassis	3.1	Type:solid rubber,superelastic,pneumatic,polyurethane	pneumatic										
	3.2	Tyres size,front	7.00-12-12PR		7.00-12-16PR			28×9-15-14PR					
	3.3	Tyres size,rear	6.00-9-10PR		6.00-9-12PR			6.50-10-10PR					
	3.5	Wheels,number front/rear(×=driven wheels)	2×/2										
	3.6	Track width,front	b10 (mm)	973						1004			
	3.7	Track width,rear	b11 (mm)	982									
	Basic Dimensions	4.1	Mast/fork carriage tilt forward/backward	$\alpha/\beta(^{\circ})$	6/10								
4.2		lowered mast height	h1 (mm)	2070				2070		2185			
4.3		Free lift	h2 (mm)	135	140			140		145			
4.4		Lift height	h3 (mm)	3000									
4.5		Extended mast height	h4 (mm)	3974	4079			4079					
4.7		Overhead load guard height	h6 (mm)	2150									
4.8		Seat height/standing height	h7 (mm)	1130									
4.12		Coupling height	h10 (mm)	580									
4.19		Overall length	l1 (mm)	3568	3663	3573	3773	3666	3818	3671			
4.20		Length to face of forks	l2 (mm)	2498	2593	2503	2703	2596	2748	2601			
4.21		Overall width	b1 (mm)	1150			1226						
4.22		Fork dimensions	s/e/l (mm)	40 / 120/ 1070		45 / 125/ 1070		45 / 125/ 1070		50 / 125/ 1070			
4.24		Fork carriage width	b3 (mm)	1040		1100			1100				
4.31		Ground clearance ,laden,under mast	m1 (mm)	135			135	140	140	145			
4.32		Ground clearance,centre of wheelbase	m2 (mm)	150									
4.33	Aisle width for pallets 1000×1200 crossways	Ast(mm)	3849	3949	3849	4078	3971	4123	3971				
4.34	Aisle width for pallets 800×1200 lengthways	Ast(mm)	3997	4097	3997	4278	4171	4323	4171				
4.35	Turning radius	Wa (mm)	2230	2350	2230	2400	2350	2440	2350				
Performance Data	5.1	Travel speed,laden/unladen	km/h	12/13			12/13	14/15	11 / 12	13/15			
	5.2	Lift speed,laden/unladen	m/s	0.26/ 0.34			0.26/ 0.34	0.3/ 0.4	0.25/ 0.33	0.28/ 0.4			
	5.3	lowering speed,laden/unladen	m/s	<0.6									
	5.5	Max.Drawbar pull ,laden	N	3100/2100		3600/2600		3500/2500		3800/2800			
	5.7	Max.Gradient performance,laden/unladen S2 5 min	%	15 / 15			15 / 15	15 / 20	13 / 15	15 / 20			
	5.10	Service brake	Hydraulic										
	E-Motor	6.1	Drive motor rating S2 60 min	kW	10				11				
6.2		Lift motor rating at S3 15%	kW	12				15	16	15	16		
6.3		Battery standard		Lion	BS	Lion	BS	Lion	BS	Lion	BS		
6.4		Battery voltage,nominal capacity K5	V/Ah	80/200 80/300/400	80/360 80/400	80/200 80/300/400	80/360 80/400	80/200 80/300/400	80/360 80/400	80/300 80/400	80/400		
6.5		Battery weight	kg	200		990/1090		215		990/1090		280 1090	
		Battery dimensions l/w/h	mm	770/600/680	812/640/760	770/600/680	812/640/760	770/650/680	812/640/760	770/650/680	812/640/760		
Other Details	8.1	Type of drive control	AC										
	8.2	Operating pressure for attachments	Mpa	17.5									
	8.3	Oil volume for attachments	l/min	36									
	8.4	Sound level at driver's ear according to EN 12 053	dB(A)	74	75			74		75			