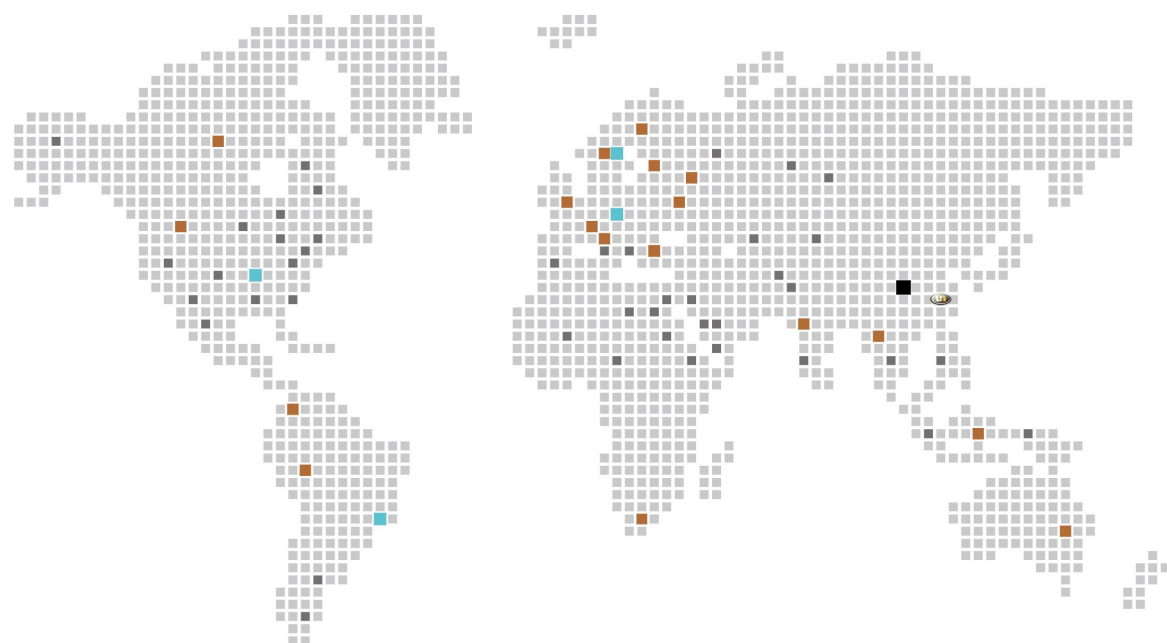




Zhejiang UN Forklift Co.,Ltd.

Address: NO.1, Road One, Xindeng New District, Fuyang,
Hangzhou, Zhejiang 311404, China

Tel: +86-571-86888377/87565705/86888355/86888388

Fax: +86-571-86888399

E-mail: info@unforklift.com

Parts Inquiry: parts@unforklift.com

www.unforklift.com



Li-ion
2.0-3.5 TON

**NL SERIES LITHIUM BATTERY
COUNTERBALANCE FORKLIFT**

www.unforklift.com

INNOVATIVE POWER

THE UN FORKLIFT TRUCK

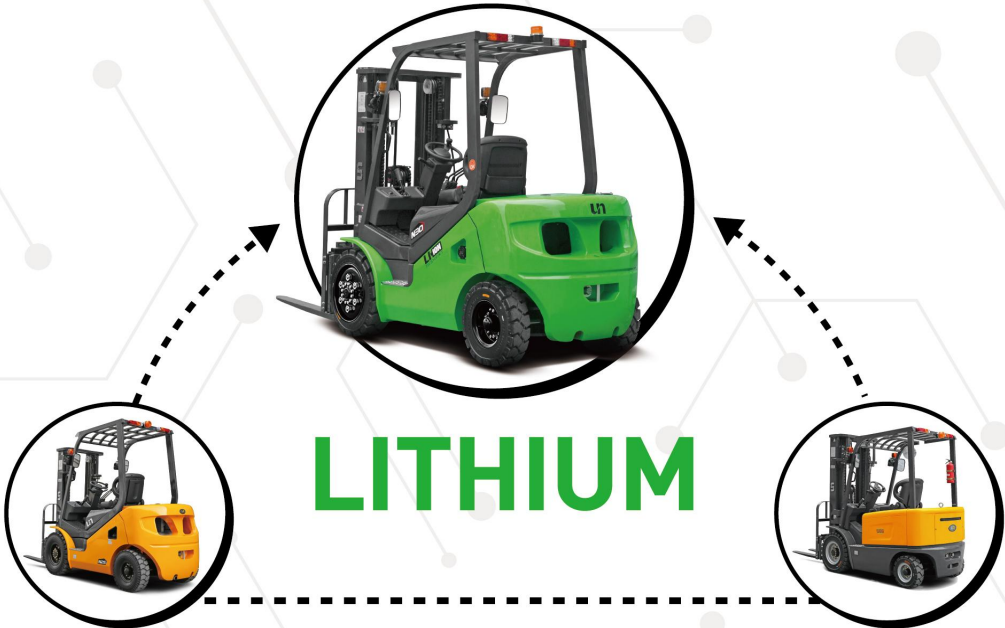


UN FORKLIFT

NL Series Lithium Battery Counterbalance Forklift

capacity 2,000 to 3,500kg

The NL series new lithium battery forklift adopts UN internal combustion forklift's design with the strong chassis, frame, counterweight and mast. The power structure is designed to adopt UN electric forklift's concept, which use full AC system, Italy imported ZAPI controller, BMS control system and high quality lithium battery. This combination of IC forklift and electric forklift makes an ideal solution to reach customers' satisfaction on cost saving and environmental friendly.



DIESEL

ELECTRIC

**LITHIUM BATTERY FORKLIFT IS
CONVERTED FROM DIESEL FORKLIFT**

TWO IN ONE, ONE FOR TWO

COMFORT AND ERGONOMICS

Owing to the low center of gravity and good stability, the driver feels comfortable during turning. Bigger leg space than standard Li-ion forklifts.



Large foot space



Low and Wide Step



ZAPI controller with multifunctional instrument panel



LED lights: energy saving, long life



Pedals with comfortable angle

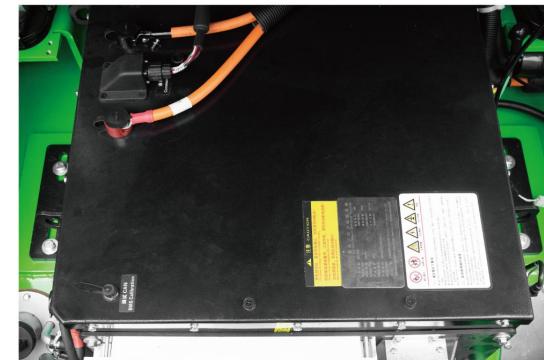


ADVANTAGES OF LITHIUM BATTERY TECHNOLOGY

Strong and Durable Chassis

Using the IC truck structures, which has been tested by the market for more than 20 years.

5 YEARS WARRANTY



Long Term Performance

The battery can be charged and discharged 4000 times. With 5 years guarantee on lithium battery gives customers great satisfaction and long time life cycle.



Eco-Friendly

Using low-carbon, clean, and environmental friendly lithium battery. Lower noise, zero emission, and less vibration.



Lower Total Ownership Cost (TOC)

The purchase price is similar to a regular IC forklift. No fuel consumption cost, no maintenance fee for air filter, oil filter or engine oil changes compare to a regular IC forklift.



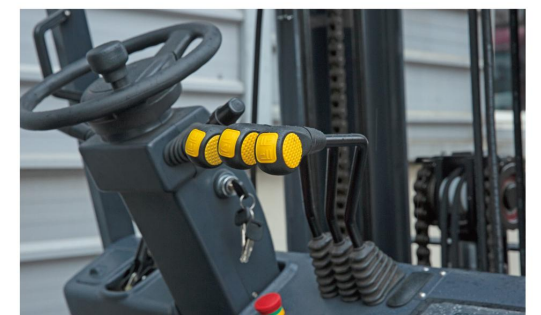
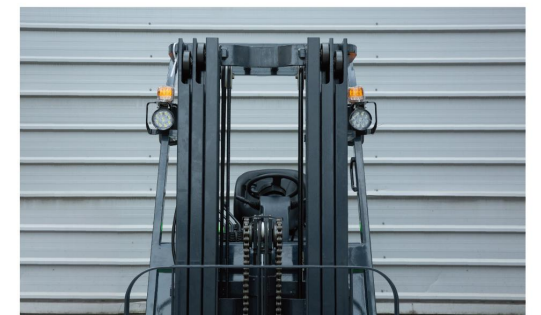
Multi-Scenario Usage

Adopting the IC forklift structures enable to operate indoors and outdoors, with great waterproof and dustproof performance.



Fast Charging (gun plug optional)

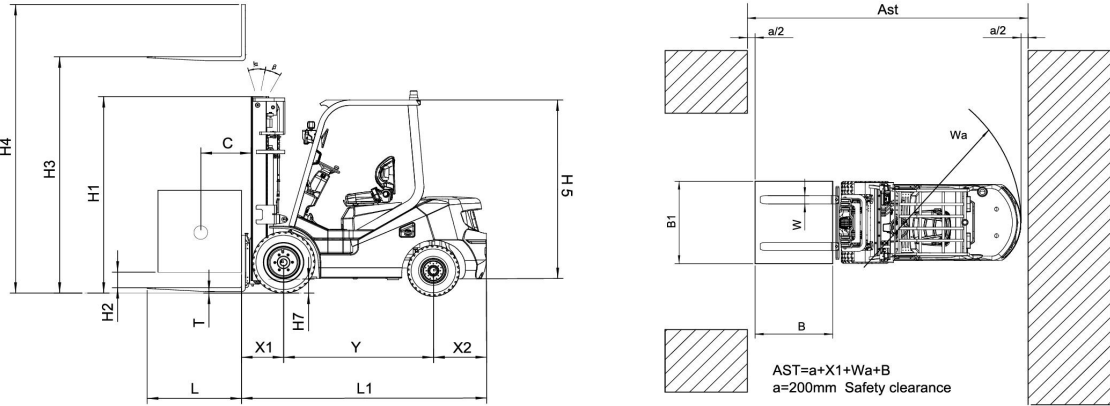
Fully charge only needs 2 hours, and it can be charged at any time during the day to ensure multiple shifts.



MAIN SPECIFICATIONS (STANDARD PERFORMANCE)

General	1	Manufacturer					
	2	Model	FB20-YNLZ2		FB25-YNLZ2	FB30-YNLZ2	FB35-YNLZ2
	3	Power Type	Li-ion				
	4	Rated Load Capacity	Q(kg)	2000	2500	3000	3500
	5	Load Centre	C(mm)	500			
Characteristic & Dimension	6	Rated Lift Height	H3(mm)	3000			
	7	Free Lift Height	H2(mm)	100			
	8	Fork Size (L×W×T)	mm	1070×120×40		1070×125×45	1070×125×50
	9	Mast Tilt Angle (F/R, α°/β°)	deg	6°/12°			
	10	Fork Overhang (Wheel Center to Fork Face)	X1(mm)	479		484	
	11	Rear Overhang	X2(mm)	520		595	635
	12	Ground Clearance (Bottom of Mast)	H7(mm)	130		145	
	13	Length to Face of Fork (Without Fork)	L1(mm)	2660		2700	2775
	14	Overall Width	B1(mm)	1150		1225	
	15	Mast Lowered Height	H1(mm)	2055		2070	
	16	Mast Extended Height (With Backrest)	H4(mm)	4070		4070	
	17	Overhead Guard Height	H5(mm)	2215		2235	
	18	Turning Radius (Outside)	Wa(mm)	2365		2425	2500
	19	Min.Aisle width for pallets	Ast(mm)	4120		4180	4255
Performance	20	Travel Speed (No Load)	km/h	11/12			
	21	Lifting Speed (Full Load)	mm/sec	260/380		250/360	220/340
	22	Lowering Speed(Full Load/No Load)	mm/sec	No Load≥300 Full Load≤600			
	23	Max.Gradeability (Full Load)	%	15		12	
Chassis	24	Tyre (Front x 2)	mm	7.00-12-12PR		28×9-15-12PR	
	25	Tyre (Rear x 2)	mm	6.00-9-10PR		6.50-10-10PR	
	26	Front Tread	B2(mm)	970		1000	
	27	Rear Tread	B3(mm)	980		980	
	28	Wheelbase	Y(mm)	1650		1700	
Weight	29	Total Weight	kg	3385	3605	4460	4775
	30	Front Axle Weight Distribution (Full Load)	kg	4846	5494	6714	6997
	31	Rear Axle Weight Distribution (Full Load)	kg	538	610	746	777
	32	Front Axle Weight Distribution (No Load)	kg	1354	1442	1784	1910
	33	Rear Axle Weight Distribution (No Load)	kg	2031	2163	2676	2865
Power & Transmission	34	Battery	V/Ah	80V/150AH option 220AH option 350AH	80V/175AH option 270AH option 350AH	80V/220AH option 270AH option 350AH	80V/270AH option 350AH
	35	Drive Motor	KW	10			
	36	Lift Motor	KW	12			
	37	Operating Pressure (For Attachments)	Mpa	17.5			

Specifications and characteristics are subject to change without notice.



2.0-2.5 TON MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Name	Max.Fork Height (mm)	Load Capacity (KG)				Overall Height (mm)		Free Lift (mm)		Tilt Angle (Single)	Tilt Angle (Double)	Total Weight (KG)		
							Lowered	Extended	Without Backrest	With Backrest					Without Backrest
			FB20	FB20	FB25	FB25									
Wide View Mast	M200	2000	2000	2000	2500	1550	2580	3070	100	100	6-12		FB20	FB25	
	M250	2500	2000	2000	2500	1805	3080	3570	100	100	6-12		3370	3870	
	M270	2700	2000	2000	2500	1905	3280	3770	140	140	6-12		3410	3910	
	M290	2900	2000	2000	2500	2005	3480	3970	140	140	6-12		3440	3940	
	M300	3000	2000	2000	2500	2055	3580	4070	140	140	6-12		3450	3750	
	M310	3100	2000	2000	2500	2105	3680	4170	140	140	6-12		3460	3960	
	M330	3300	2000	2000	2500	2205	3880	4370	140	140	6-12		3475	3775	
	M350	3500	2000	2000	2500	2305	4080	4570	140	140	6-12		3490	3790	
	M370	3700	2000	2000	2500	2405	4280	4770	140	140	6-6		3510	3810	
	M400	4000	2000	2000	2450	2605	4580	5070	140	140	6-6	6-12	3530	3830	
2-Stage Full Free Wide View Mast	M430	4300	1850	1900	2000	2150	4755	4880	140	140	6-6	6-12	3550	3850	
	M450	4500	1800	1900	2000	2400	4855	5080	140	140	6-6	6-12	3570	3870	
	M470	4700	1450	1850	1750	2100	4955	5280	140	140	6-6	6-12	3590	3890	
	M500	5000	1300	1700	1600	2050	5155	5580	140	140	6-6	6-6	3620	3920	
	M550	5500	1100	1500	1350	1700	5405	6080	140	140	3-6	3-6	3660	3960	
	M600	6000	950	1300	1050	1500	5655	6580	7070	140	3-6	3-6	3700	4000	
	FM200	2000	2000		2500	1570	2605	3068	970	507	6-12		3410	3910	
	FM250	2500	2000		2500	1820	3055	3518	1200	757	6-12		3450	3950	
	FM270	2700	2000		2500	1920	3255	3718	1300	857	6-12		3465	3765	
	FM290	2900	2000		2500	2020	3455	3918	1400	957	6-12		3480	3980	
3-Stage Full Free Wide View Mast	FM300	3000	2000		2500	2070	3605	4068	1470	1007	6-12		3490	3790	
	FM310	3100	2000		2500	2120	3755	4218	1520	1057	6-12		3500	4000	
	FM330	3300	2000		2500	2220	3955	4418	1620	1157	6-12		3515	3815	
	FM350	3500	2000		2500	2320	4155	4618	1720	1257	6-12		3530	3830	
	FM370	3700	2000		2500	2420	4355	4818	1800	1357	6-6		3545	3845	
	FM400	4000	2000		2500	2670	4605	5068	2000	1607	6-6	6-12	3570	3870	
	TFM400	4000	1900	2300	2000	2500	1945	4607	1300	808	6-6	6-6	3600	3900	
	TFM430	4300	1850	1900	2000	2400	2045	4807	1400	985	6-6	6-6	3630	3930	
	TFM450	4500	1700	1800	2000	2300	2095	5107	1498	1035	6-6	6-6	3650	3950	
	TFM470	4700	1600	1750	1900	2200	2145	5307	1548	1085	6-6	6-6	3670	3970	
3-Stage Full Free Wide View Mast	FM500	5000	1600	1500	1400	1800	2245	5607	2000	1684	6-6	6-6	3700	4000	
	TFM525	5250	1250	1550	1350	1900	2345	5857	6320	1748	1285	3-6	3-6	3725	4225
	FM550	5500	1100	1500	1200	1800	2445	6107	6870	1385	3-6	3-6	3750	4050	
	FM600	6000	800	1400	850	1600	2645	6807	7070	2000	3-6	3-6	3800	4100	
	TFM650	6500	800	1100	1200	1800	2895	7107	7370	1835	3-6	3-6	3850	4150	
	TFM700	7000	1000	700	150	800	3095	7807	8070	2300	2035	3-6	3-6	3900	4200

Note: 1. With side shifter, load capacity subtract 200KG.
2. * (Asterisk) is for double front wheels model.

3.0-3.5 TON MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Name	Max.Fork Height (mm)	Load Capacity(KG)				Overall Height (mm)				Free Lift (mm)		Tilt Angle (Single)	Tilt Angle (Double)	Total Weight (KG)	
							Lowered	Extended	Without Backrest	With Backrest	Without Backrest	With Bracket				
			FB30	FB30	FB35	FB35										
Wide View Mast	M200	2000	3000	3000	3500	1570	2690	3170	100	100	6-12	4260	4760			
	M250	2500	3000	3000	3500	1820	3190	3670	100	100	6-12	4300	4800			
	M270	2700	3000	3000	3500	1920	3290	3770	145/150	145/150	6-12	4316	4816			
	M290	2900	3000	3000	3500	2020	3590	4070	145/150	145/150	6-12	4332	4832			
	M300	3000	3000	3000	3500	2070	3690	4070	145/150	145/150	6-12	4340	4840			
	M310	3100	3000	3000	3500	2120	3790	4270	145/150	145/150	6-12	4350	4850			
	M330	3300	3000	3000	3500	2220	3890	4370	145/150	145/150	6-12	4365	4865			
	M350	3500	3000	3000	3500	2320	4090	4570	145/150	145/150	6-12	4380	4880			
	M370	3700	3000	3000	3500	2420	4290	4770	145/150	145/150	6-12	4395	4895			
	M400	4000	2950	2950	3250	2620	4590	5070	145/150	145/150	6-6	6-12	4420	4720		
2-Stage Full Free Wide View Mast	M430	4300	2800	2800	3100	2770	4890	5370	145/150	145/150	6-6	6-12	4445	4745		
	M450	4500	2600	2600	2900	2870	5090	5570	145/150	145/150	6-6	6-12	4460	4760		
	M470	4700	2500	2800	2800	2900	5290	5770	145/150	145/150	6-6	6-12	4475	4765		
	M500	5000	2200	2550	2400	3170	5590	6070	145/150	145/150	6-6	6-6	4510	4810		
	M550	5500	2000	2400	2200	3420	6090	6570	145/150	145/150	3-6	3-6	4560	4860		
	M600	6000	1500	2000	1800	3670	6590	7070	145/150	145/150	3-6	3-6	4600	4900		
	FM200	2000	3000		3500	1570	2590	3065	882	407	6-12		4340	4840		
	FM250	2500	3000		3500	1820	3040	3515	1132	657	6-12		4380	4880		
	FM270	2700	3000		3500	1920	3240	3715	1232	747	6-12		4395	4895		
	FM290	2900	3000		3500	2020	3440	3915	1332	837	6-12		4410	4910		
3-Stage Full Free Wide View Mast	FM300	3000	3000		3500	2070	3590	4065	1382	907	6-12		4420	4720		
	FM310	3100	3000		3500	2120	3740	4215	1432	957	6-12		4430	4930		
	FM330	3300	3000		3500	2220	3940	4415	1532	1047	6-12		4445	4745		
	FM350	3500	3000		3500	2320	4090	4565	1632	1157	6-12		4460	4760		
	FM370	3700	3000		3500	2420	4290	4715	1732	1257	6-6		4475	4775		
	FM400	4000	3000	2950	3250	2670	4590	5065	1982	1507	6-6	6-12	4500	4800		
	TFM400	4000	3000	3000	3000	1960	4700	5175	1272	857	6-6	6-6	4550	4850		
	TFM430	4300	2800	2900	3000	3350	2860	5000	5475	1382	897	6-6	6-6	4580	4880	
3-Stage Full Free Wide View Mast	TFM450	4500	2600	2800	2800	3200	5110	5200	5675	1422	947	6-6	6-6	4600	4900	
	TFM470	4700	2400	2700	2500	3000	2160	5400	5875	1472	997	6-6	6-6	4620	4920	
	TFM500	5000	2100	2400	2300	2800	2380	5700	6275	1522	1047	6-6	6-6	4630	4930	
	TFM525	5250	1850	2300	2000	2650	2380	5950	6425	1672	1197	3-6	3-6	4655	5155	
	TFM550	5500	1650	2250	1800	2600	2460	6200	6675	1772	1297	3-6	3-6	4680	4980	
	TFM600	6000	1200	2100	1300	2300	2660	6700	7175	1972	1497	3-6	3-6	4750	5050	
	TFM650	6500	950	1700	1050	1800	2910	7200	7675	2172	1697	3-6	3-6	4800	5100	
	TFM700	7000	650	950	750	1550	1700	7700	8175	2300	1947	3-6	3-6	4850	5150	