



EFL 25/30/35 ^{PRO}

80V LI-ION 4-WHEEL YARD FORKLIFT
2500/3000/3500KG



EP EQUIPMENT ^{PRO}



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V2512.02

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EFL 25/30/35 **PRO**

The Final Argument to Transform IC to Electric

Since 2020, EP Equipment has been the pioneer who ignited go-electric revolution in the material handling industry by creating the world's first IC-to-E EFL 2 Series forklifts. In 2025, owing to the accumulation of 5 years of relentless innovation, EP proudly presents the EFL PRO Series. Born from our groundbreaking EFL 2 Series and the best-selling EFL 3 Series, the 4th Generation is not merely an upgrade - it's a strategic re-engineering of efficiency and intelligence.

Designed to accelerate the global shift from diesel dependence to lithium-powered fleets, this EFL PRO series combines the class-leading performance, the sleek appearance, the zero-mission intelligence, the user-centered configurations as well as the robustness of IC chassis. The EFL PRO Series doesn't just replace diesel - it redefines electric efficiency.

EP EQUIPMENT **PRO**





Unmatched Performance and great operator experience

Powered by a 17kW AC driving motor and 30kW PMS pump motor system, the EFL PRO achieves greater performance compared to the previous EFL 3 Series and competitors of the same class, enabling higher throughput in demanding logistics hubs.

Superior Performance Leap:

		EFL302	EFL303S	EFL 30 PRO
Traveling Speed (laden/unladen)	km/h	11/12	16/17	19/20
Lifting Speed (laden/unladen)	m/s	0.29/0.36	0.4/0.5	0.55/0.58
Lowering Speed (laden/unladen)	m/s	0.4/0.43	0.43/0.44	0.43/0.44
Max Gradeability (laden/unladen)	%	15/15	20/25	22/28
Driving motor rating S2 60min	kW	10	17	17
Lift motor rating at S3 15%	kW	16	26	30

The EFL PRO Series is equipped with an innovative PMS pump motor for next-level driving experiences:

- Precise rotational speed control brings around 15% energy savings compared to regular AC pump motor for longer runtime and more responsive control.
- Quiet and comfortable operation with the additional silent pump.
- Plus the full-proportion solenoid valve as standard, more accurate micro-control is guaranteed.

Travel speed increased by

40%

Higher Performance,
Precise Micro-control

Gradeability

28%

EP's newly developed 3-stage mast outperforms with better visibility and heavier load capacity at heights. It keeps the full residual capacity up to 4.8m and the load capacity doesn't decrease with built-in sideshifter. This is crucial for high-racking warehouses, improving rack utilization and storage efficiency.

In addition to reliable stacking and retrieving, the new 3-stage mast is also available with the following optional functions for premium safety and efficiency needs:

- One-touch tilt leveling
- Tilt / sideshift speed control at full height
- Overload label
- Load weigh indicator
- Fork height indicator



Sleek Appearance with Enhanced Versatility

The EFL PRO Series features a sleek visual-striking appearance and transcends conventional forklift aesthetics through fully molded componentry.

The longer wheelbase of 1753mm delivers better truck stability even when loading heavily or at a sharp turn. Meanwhile, the overall dimensions including the truck width and turning radius are close to those of EFL 3 Series, which provides versatility in diverse scenarios.

The LED lighting system enhances the modern design philosophy and strong adaptability in complex working environments. The high-lumen lights pierce fogged or dimly lit warehouses for better visibility and safety.

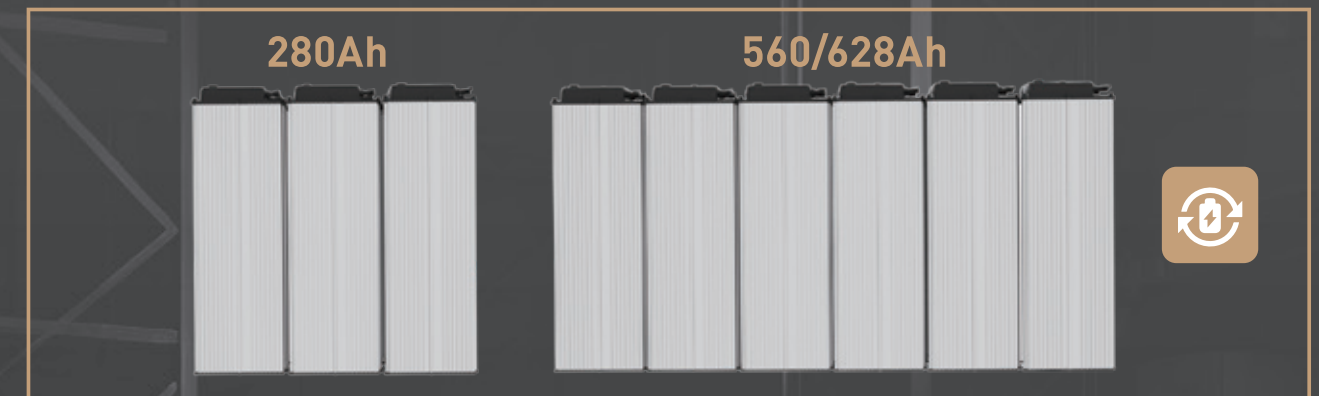
- LED Front lights
- New rear light package: working light, turning light, warning light and position light
- Blue light



Revolutionary Li-ion Battery and Charging System

At the core lies EP's breakthrough Li-ion technology — the new Li-ion battery system, which is composed of three independent battery modules operating in series to achieve 80V. Each modules works autonomously, ensuring consistent performance and reliability.

This battery architecture allows power upgrades from 280Ah up to 628Ah, adapting the EFL PRO endurance to a wide range of applications. Additionally, each battery module can be repaired or replaced separately, eliminating costly full-pack replacements typically required when single cell fails.



The EFL PRO Series is always benefiting from the advantages of Li-ion technology:

- Fast and opportunity charging for extended runtime in multi-shift working environments
- Zero maintenance for low operation costs and no downtime
- Zero carbon or toxic emission compliant with sustainability requirements

For further charging convenience, both integrated charging and external charging port are available on one truck. The dual charging possibility makes it flexible for all kinds of applications needs.



Ergonomic Cabin for Fatigue-free and Convenient Operation

Spacious Driving Space

- Easy entrance and exit thanks to an extra wide step
- Spacious legroom of Spacious legroom of 524 mm



Intuitive driving experience

- Electronic parking brake with automatic stop on ramp function
- Reduced size steering wheel
- Tempered glass roof for great visibility and sunroof for outdoor usage
- Storage compartments, pocket and bottle holder



Easy maintenance

Power and auxiliaries controllers are positioned in a protected area easily reachable by removable panels for a convenient maintenance.



Grammer Suspension Seat (optional)

For higher vibration absorption and driving comfort the standard suspended seat can be upgraded with the best in class Grammer seat



State of the art controls on the armrest

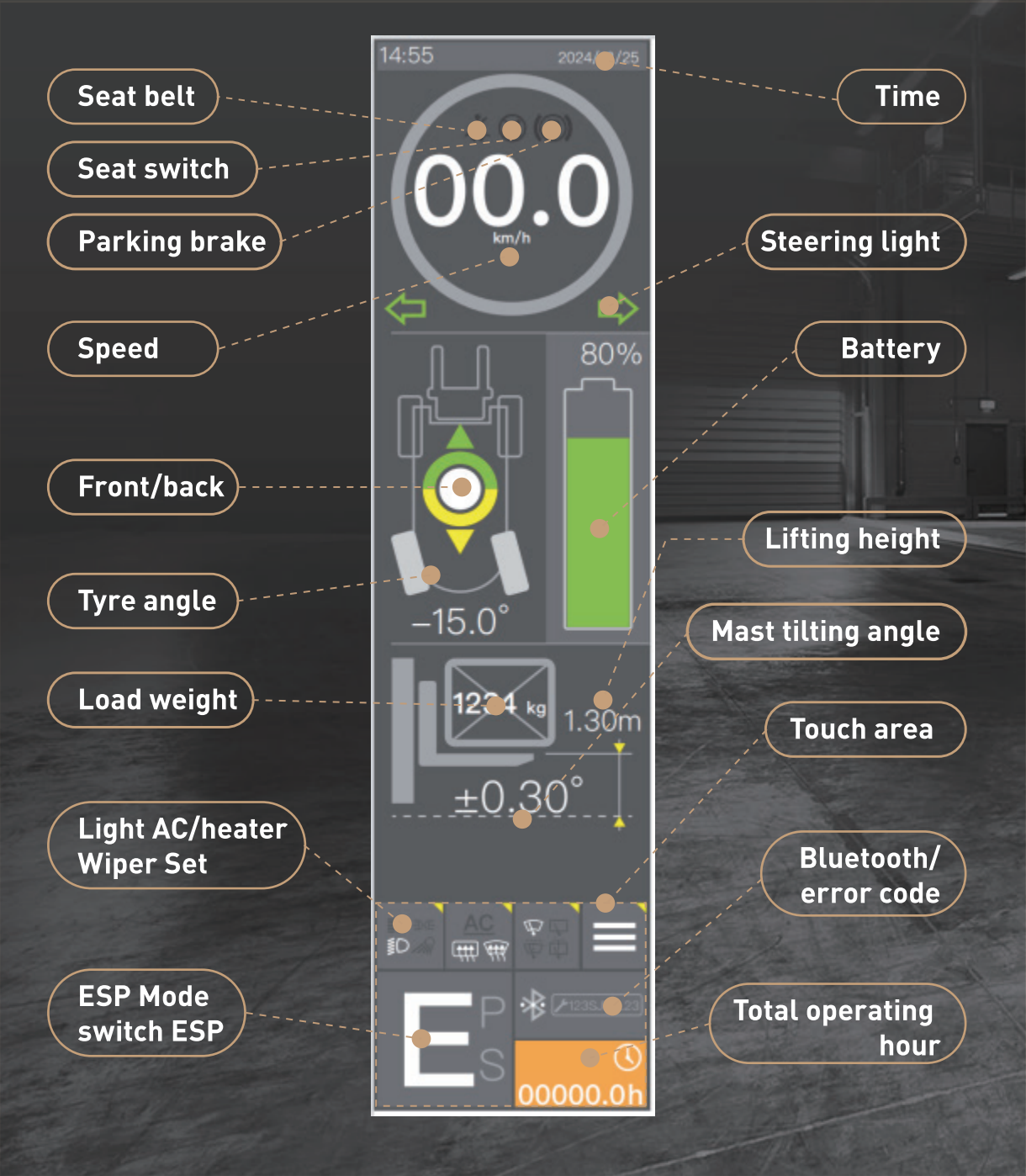
- Multiple functions are integrated at the palm-size end:
 - Fingertips control: including forward/reverse, lifting/lowering, tilting, sideshift, 4th hydraulic control
 - Horn button
 - Emergency switch
 - Fork leveling
 - Clamp interlock button
 - 5th way button switch
 - Turning light switch
- Storage box and USB port for daily convenience



Digital and Safety-aware Intelligence

The EFL PRO Series integrates cutting-edge digital technology with AI-driven responsiveness, engineered for real-world productivity and safety.

Informative and Multi-functional Full-touch Display



Telematics System

EP's Telematics system is an innovative system that allows you to manage your fleet and rental activities in an effective and efficient manner. The system tracks data for truck and battery usage, like uptime, battery status and real-time location. It allows users to monitor and analyze assets conditions, providing remote diagnostics and improving the efficiency of fleet management.



360°Panorama System (optional)

The 360° panorama system is an integrated multi-camera monitoring platform and provides real-time visualization of the surroundings, eliminating blind spots at full zones. It significantly reduces rack, equipment or personnel strikes, perfect for high-density warehousing and dock operations.

The 360° panorama system supports one AI module per truck as following:

Human Recognition: Utilizing AI vision processing, the system frames detected humans on the display. Audible alerts activate immediately upon human detection within the alarm activation distance (default: 4-meter radius).



Turn Speed Control

Auto -deceleration at turns for truck stability even when loading heavily or driving too fast



Ambient-noise Adaptive Buzzer (optional)

Self-adjusts reverse buzzer volume automatically in different environments for more effective reminding.



Area Speed Limit (optional)

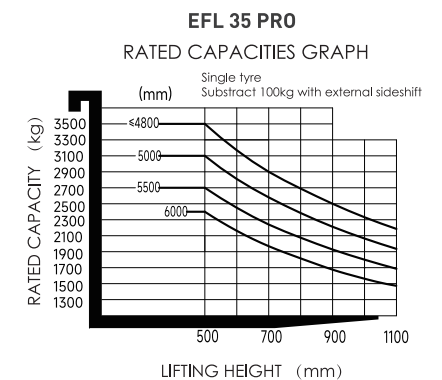
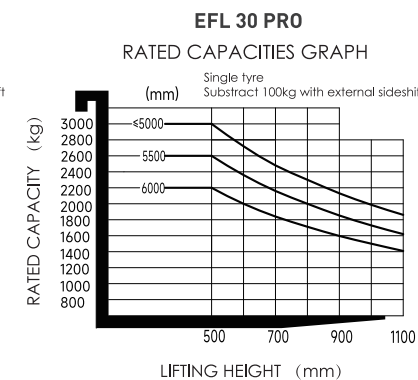
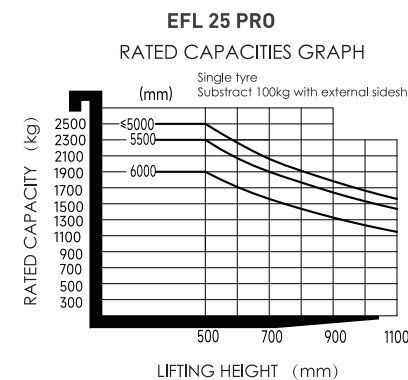
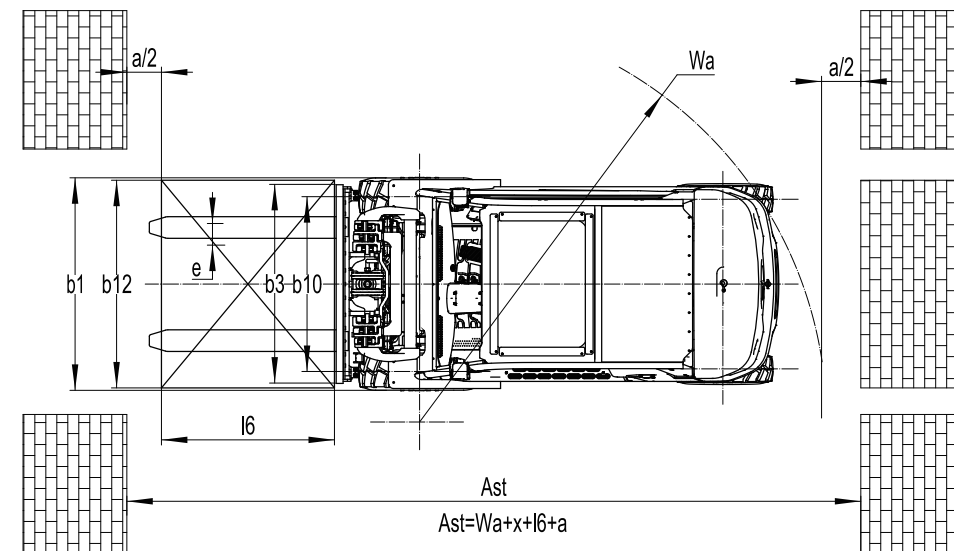
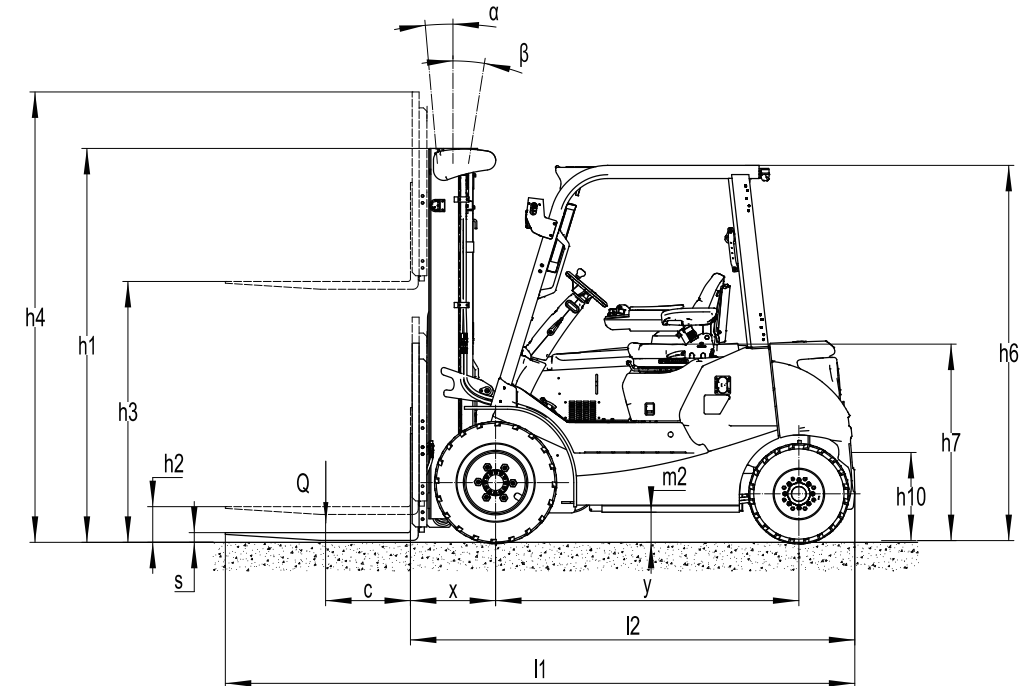
Identifies indoor and outdoor environments via LiDAR scan and automatically decelerates in indoor spaces for operation safety.

EFL 25/30/35 PRO

80V Li-ion 4-wheel yard forklift 2500/3000/3500kg

Distinguishing mark	1.1	Manufacturer			EP	EP	EP
	1.2	Model designation			EFL 25 PRO	EFL 30 PRO	EFL 35 PRO
	1.3	Drive			Electric	Electric	Electric
	1.4	Operator type			Seated	Seated	Seated
	1.5	Load capacity	Q	kg	2500	3000	3500
	1.6	Load center distance	c	mm	500	500	500
	1.8	Load distance, centre of drive axle to fork	x	mm	495	481	486
	1.9	Wheelbase	y	mm	1730	1753	1753
	Service weight	2.1	Service weight		kg	4450	4800
2.2		Axle loading, laden front/rear		kg	6065/885	6923/873	7748/1002
2.3		Axle loading, unladen front/rear		kg	2127/2323	2234/2566	2267/2983
Tyres/chassis	3.1	Tyre type			Pneumatic	Pneumatic	Pneumatic
	3.2	Tyre size, front			7.00-12-12PR	28X9-15-14PR	28X9-15-14PR
	3.3	Tyre size, rear			6.00-9-10PR	6.50-10-10PR	6.50-10-10PR
	3.5	Wheels, number front/rear (x=drive wheels)		mm	2x/ 2	2x/ 2	2x/ 2
	3.6.1	Tread width, front	b10	mm	975	1010	1010
	3.7.1	Tread width, rear	b11	mm	945	980	980
Dimensions	4.1	Tilt of mast/fork carriage forward/backward	α/β	°	6/ 6	6/ 6	6/ 6
	4.2	Retracted mast height	h1	mm	2090	2065	2065
	4.3	Free lift	h2	mm	195	135	135
	4.4	Lift height	h3	mm	3000	3000	3000
	4.5	Height, mast extended	h4	mm	4060	4130	4130
	4.7	Height of overhead guard (cabin)	h6	mm	2170	2170	2170
	4.8	Seat height/standing height	h7	mm	1138	1138	1138
	4.12	Tow coupling height	h10	mm	510	510	510
	4.19	Overall length	l1	mm	3610	3627	3682
	4.20	Length to face of forks	l2	mm	2540	2557	2612
	4.21	Overall width	b1/b2	mm	1154	1210	1210
	4.22	Fork dimensions	s×e×l	mm	40×122×1070	45×122×1070	50×122×1070
	4.23	A,B Fork carriage class/type A, B			2A	3A	3A
	4.24	Fork carriage width	b3	mm	1040	1100	1100
	4.31	Ground clearance, laden, below mast	m1	mm	130	130	130
	4.32	Ground clearance, center of wheelbase	m2	mm	165	165	165
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	3955	4033	4081
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	4155	4233	4281
	4.35	Turning radius	Wa	mm	2260	2352	2395
	Performance data	5.1	Travel speed, laden/unladen		km/h	19/20	19/20
5.2		Lifting speed, laden/unladen		m/s	0.55/0.58	0.55/0.58	0.49/0.52
5.3		Lowering speed, laden/unladen		m/s	0.54/0.56	0.43/0.44	0.43/0.44
5.5		Drawbar pull, laden/unladen		N	5964	5924	5924
5.6		Max. drawbar pull, laden/unladen		N	18735	22350	22350
5.8		Max. gradeability, laden/unladen		%	22/28	22/28	20/28
5.10		Service brake			Hydraulic	Hydraulic	Hydraulic
5.11		Parking brake			Electromagnetic	Electromagnetic	Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	15	17	17
	6.2	Lift motor rating at S3 15%		kW	30	30	30
	6.4	Battery voltage/nominal capacity		V/Ah	80V280AH	80V280AH	80V280AH
	6.5	Battery weight		kg	184	184	184
	6.6	Energy consumption according to DIN EN 16796		kWh/h	10.22	8.75	9.34
	6.7	Turnover output according to VDI 2198		t/h	160	180	217
	6.8	Turnover efficiency according to VDI 2198		t/kWh	17.7	23.26	22.96
Addition data	8.1	Type of drive control			AC	AC	AC
	10.1	Operating pressure for attachments		bar	180	180	180
	10.2	Oil volume for attachments		ℓ/min	35	35	35
	10.5	Steering design			Hydraulic	Hydraulic	Hydraulic
	10.7	Sound pressure level at the driver's ear		dB(A)	<70	<70	<70

EFL 25/30/35 PRO



Mast Option:

EFL 25 PRO

Mast types	Lift height (h3)	Height, Mast			Height,Free lift(h2)	
		Height, mast lowered(h1)	Height, mast extended(h4)		No backrest	With backrest
			No backrest	With backrest		
	mm	mm	mm	mm	mm	mm
2-Standard Mast	3000	2090	3595	4060	195	195
	3300	2240	3895	4360	195	195
	3500	2340	4095	4560	195	195
	3600	2390	4195	4660	195	195
	4000	2640	4595	5060	195	195
	4500	2890	5095	5560	195	195
2-Free Mast	3000	2035	3765	4100	1345	1010
	3300	2185	4065	4400	1495	1160
	3600	2335	4365	4700	1645	1310
3-Free Mast	4300	2080	5040	5355	1370	1055
	4500	2160	5280	5595	1450	1135
	4800	2265	5580	5895	1555	1240
	5000	2350	5730	6045	1640	1325
	5500	2600	6230	6545	1890	1575
	6000	2850	6730	7045	2140	1825

EFL 30 PRO

Mast types	Lift height (h3)	Height, Mast			Height,Free lift(h2)	
		Height, mast lowered(h1)	Height, mast extended(h4)		No backrest	With backrest
			No backrest	With backrest		
	mm	mm	mm	mm	mm	mm
2-Standard Mast	2700	1915	3365	3830	135	135
	3000	2065	3665	4130	135	135
	3300	2215	3965	4430	135	135
	3500	2315	4165	4630	135	135
	3600	2365	4265	4730	135	135
	4000	2615	4665	5130	135	135
	4500	2865	5165	5630	135	135
	3000	2090	3715	4175	1455	995
2-Free Mast	3300	2195	4015	4475	1560	1100
	3600	2345	4315	4775	1710	1250
3-Free Mast	4300	2080	5030	5435	1390	985
	4500	2160	5270	5675	1470	1065
	4800	2265	5570	5975	1575	1170
	5000	2350	5720	6125	1660	1255
	5500	2600	6220	6625	1910	1505
	6000	2850	6720	7125	2160	1755

EFL 35 PRO

Mast types	Lift height (h3)	Height, Mast			Height,Free lift(h2)	
		Height, mast lowered(h1)	Height, mast extended(h4)		No backrest	With backrest
			No backrest	With backrest		
	mm	mm	mm	mm	mm	mm
2-Standard Mast	2700	1915	3365	3830	135	135
	3000	2065	3665	4130	135	135
	3300	2215	3965	4430	135	135
	3500	2315	4165	4630	135	135
	3600	2365	4265	4730	135	135
	4000	2615	4665	5130	135	135
	4500	2865	5165	5630	135	135
	3000	2045	3715	4175	1410	950
2-Free Mast	3300	2195	4015	4475	1560	1100
	3600	2345	4315	4775	1710	1250
3-Free Mast	4300	2080	5030	5435	1390	985
	4500	2160	5270	5675	1470	1065
	4800	2265	5570	5975	1575	1170
	5000	2350	5720	6125	1660	1255
	5500	2600	6220	6625	1910	1505
	6000	2850	6720	7125	2160	1755

Option:

Option Items	EFL 25 PRO
Fork dimension	○122*40*920●122*40*1070○122*40*1150 ○122*40*1220○122*40*1370○122*40*1500 ○122*40*1600
Front wheel material	● Pneumatic○ Normal solid○ Traceless solid
Rear wheel material	● Pneumatic○ Normal solid○ Traceless solid
Battery capacity	●80V280AH○80V560AH○80V628AH
Charger	○80V35A integrated○80V60A integrated●80V65A (NON-CE) ●80V60A (CE)○80V130A○80V150A○80V200A (560/628AH)
Battery display indicator (BDI)	●With time (Bluetooth)
Seat type	●comfortable + safety belt switch (41) ○Suspension seat with armrest and safety belt swich○GRAMMER-MSG65
Attachments	○ Built-in sideshifter○ External shifter ○ Fork positioner with sideshift○ clamp
clamp interlock	● No○clamp interlock
Traction pin	● Yes and not customized
Anti-static chain	● Yes and not customized
Front lamp	●LED
Rear lamp	●No○LED
Warning lamp	● Yes and not customized
Turn signal light	●LED
Blue lamp	● No○Rear○Front and rear
Area warning lamp	● No○Both side○Both side and rear
Rearview mirror	● one in front○ two on side and one in front
Buzzer	●Regular Buzzer○Ambient-noise Adaptive Buzzer(NON-CE)
OPS system	● Yes and not customized
USB interface	● Cigarette lighter+USB with A and C type
Telematics	● Yes and not customized○No
Special AUS/NZ options	● No○ Yes and not customized
Turn speed control	● Yes and not customized○ No
Heating system during lithium battery charging	● No○ Yes and not customized
Operator identification device	● No○ Card reader
Lifting electronic limit	● No○ Yes and not customized
Hydraulic control	● joystick○ fingertip
Rear armrest horn	● Yes and not customized
Automatic Parking Brake	● Yes and not customized
Height display+Forward tilt speed limit+High-position lateral shift speed control	● No○ Yes and not customized
Automatic fork leveling	● No○ Yes and not customized
Surround View System+Human recognition system	● No○ Yes and not customized (NON-CE)
Area Speed Limit System	● No○ Yes and not customized
Weighing system	● No○ Yes and not customized
Cabin	●NooBasic semi-cabin oUpgraed semi-cabinoFull cabin
Overhead guard	● Strip glass with anti-explosion film○ Panoramic glass roof (NON-CE)
Wiper water unit	● Yes only with Cabin
Note: ●Standard ○ Optional - Inconformity:	

Option:

Option Items	EFL 30 PRO
Fork dimension	●122*45*1070○122*45*1150○122*45*1220 ○122*45*1370○122*45*1520
Front wheel material	● Pneumatic○ Normal solid○ Traceless solid
Rear wheel material	● Pneumatic○ Normal solid○ Traceless solid
Battery capacity	●80V280AH○80V560AH○80V628AH
Charger	○80V35A integrated○80V60A integrated●80V65A (NON-CE) ●80V60A (CE)○80V130A○80V150A○80V200A (560/628AH)
Battery display indicator （BDI）	●With time （Bluetooth）
Seat type	●comfortable + safety belt switch (41) ○Suspension seat with armrest and safety belt swich○GRAMMER-MSG65
Attachments	○ Built-in sidershifter○ External shifter ○ Fork positioner with sideshift○ clamp
clamp interlock	● No○clamp interlock
Traction pin	● Yes and not customized
Anti-static chain	● Yes and not customized
Front lamp	●LED
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Cabin	●NooBasic semi-cabin ○Upgraed semi-cabinoFull cabin
Overhead guard	● Strip glass with anti-explosion film○ Panoramic glass roof (NON-CE)
Wiper water unit	● Yes only with Cabin
Note: ●Standard ○ Optional - Inconformity:	

Option:

Option Items	EFL 35 PRO
Fork dimension	●122*50*1070○122*50*1150○122*50*1220 ○122*50*1370○122*50*1520
Front wheel material	● Pneumatic○ Normal solid○ Traceless solid
Rear wheel material	● Pneumatic○ Normal solid○ Traceless solid
Battery capacity	●80V280AH○80V560AH○80V628AH
Charger	○80V35A integrated○80V60A integrated●80V65A (NON-CE) ●80V60A (CE)○80V130A○80V150A○80V200A (560/628AH)
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Seat type	●comfortable + safety belt switch (41) ○Suspension seat with armrest and safety belt swich○GRAMMER-MSG65
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