

# EL-S30



**VORT**  
VORTKART



30Cr-Mo  
Steel



72 V  
30Ah/60Ah



1.5 m+



3 KW



# PARAMENT

L1980*W1450*H1170 mm	130 & 212 mm Al Wheel Rims	Ø 40 mm Rear Axle
Ø 30 mm Chrome Moly Tubes	10*4.5-5 & 11*7-5 Tyres	Ø 25 mm Stub Axle
1040 mm Wheelbase	150 Kg Weight	180x16 mm Rear Brake Disc
72 V 30/60 Ah LFP Battery	Al Steering Wheel Ø 320	Al Sprocket Carrier Ø 40
3 kW Motor	Adjustable Pedals Range 130 mm	Al Front Wheel Hubs Ø 30
3-speed Gear (40/60/85 km/h)	Reinforced Plastic Seat	Al Rear Wheel Hubs Ø 40

## FEATURE

1. EL-S30 is tailored for juniors and adults height 1.5m+, thanks to its speed control and multi-level adjustment, it is ideal for both beginners and accomplished drivers alike. it's suitable for medium to large recreational tracks, such as: dedicated indoor/outdoor karting facilities, large commercial complexes and shopping malls, theme parks, and tourist resorts.
2. The frame utilizes 30mm chrome-molybdenum steel tubes, offering high strength and resistance to deformation. Through the use of automated TIG and laser welding technologies, manual errors are minimized, enhancing welding precision and quality. Primary heat treatment significantly reduces material stress and prevents chassis deformation.
3. Equipped with a two-stage collision protection mechanism and an explosion-proof device. Passed durability tests including rain exposure, water wading, collision impact, and high-temperature operation.
4. Features an BYD/CATL 72V 30/60Ah high c-rate LFP battery with intelligent BMS which can delivers precision cell-level monitoring, layered safety protections, and adaptive energy management. Battery supporting quick-swap replacement.
5. The motor delivers a rated power of 3 kW, with a peak power reaching 7.5 kW, enabling a maximum wheel horsepower of 10 hp and a top speed of 85 km/h. The transmission supports four gears (three forward 40/60/85 km/h and one reverse).
6. 4-piston hydraulic braking system with ventilated brake disc is adopted for this model. This solutions provide unique heat dissipation effects for the pump and calipers, reducing brake oil temperatures. The new brake distributor has been optimized for efficiency.
7. Equipped with adjustable pedals, sliding pedal system with multiple positions, adjustable up to 130mm, for personalized comfort and control for all drivers.
8. Emergency stop switch and rear led brake light are equipped to address sudden risks and reduce collision risks.
9. LCD dashboard display, boost button, f1 style steering wheel, advanced remote control is optional.





