

The SupAigrette WEIKAHORSE series of high-performance, all-electric lawn mowers is well-equipped to handle the challenges of harsh work environments, climate change, resource constraints and regulatory compliance.

- Safer (Hydraulic brake, electric automatically parking brake, charging interlock)
- Easier (powerful, easy to operate and maintain)
- More environmentally friendly (Low emissions, low noise, low energy consumption)
- More cost-effective (Less investment, cheaper power, shorter delivery time)



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A car called WEIKAHORSE must have the following advantages:

Strong power

WEIKAHORSE uses 7.5kw AC motor, which has the characteristics of superior climbing performance, strong overload resistance and longer service life, etc. Compared with the existing 12-16 horsepower (HP) gasoline-powered work vehicles, it has stronger driving force and higher energy efficiency ratio.

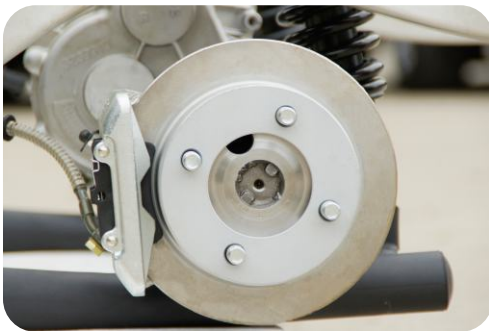


Large capacity

The 150AH lithium battery brings a cruising range of 60-80 kilometers, fully meeting the working needs of the golf course for a day. The battery adopts a new A-grade power battery, it effectively guarantees the long life of the battery. In addition, the battery adopts three-level protection of BMS protection, protocol charging, and SCF protection, which is safer and more reliable.

Minimal noise

With an electric system, the operating noise is extremely low, less than 60 dB. No more complaints from players or neighboring residents



Reliable brake

Four-wheel hydraulic disc brakes have the advantages of high sensitivity, braking force, good heat dissipation, durability. Even after soaking the braking efficiency reduction is small. The electromagnetic brake can effectively ensure the safety of the car driving in harsh environments, and it can also ensure that the driver stops at any time without slipping the car.

Electric-powered steering

With heavy load, the electric powered steering brings better steering control experience and stable maneuverability at high speed.





Corrosion resistant

The chassis and cargo box are made of aviation aluminum extrusions, and the cargo box carrier is made of stainless steel, which ensures the ruggedness, corrosion resistance and durability of the whole vehicle structure.

Excellent shock absorption

Coil spring shock absorber effectively absorbs the bouncing. Accelerate the attenuation of the spring's inherent vibration, and provide better driving smoothness for the whole vehicle.



Less energy consumption

Comparison of energy consumption of WEIKAHORSE and other gasoline or electric utility cart				
Item	WEIKAHORSE DXW-1500	Gasoline cart	Normal Electric cart	Remark
Power	72v/7.5kw	≤14HP	48V/5.0kw	
Cargo box load	≤700kg	≤460kg	≤460kg	Other brands' utility carts are generally less than 500kg
Energy	Lithium battery	Gasoline	Lithium or lead-acid battery	
Daily range		60-80km		Utility carts are always less than 80km per day
Actual range	60-80km	80km+	40-60km	
Daily energy consumption	10KW·H	6-8L	8KW·H	
Energy cost	¥1.00/KW·H	¥8.00/L	¥1.00/KW·H	Based on China's oil and electricity in 2023
Energy overhead	¥10.00/day	¥48.00-64.00/day	¥8.00/day	Based on China's oil and electricity in 2023
1-year energy cost of the North course	¥2500.00	¥12000.00-¥16000.00	¥2000.00	The number of working days is 250 days/year in North course
1-year energy cost of the South course	¥3000.00	¥14400.00-¥19200.00	¥2400.00	The number of working days is 300 days/year in South course
5-year energy cost of the North course	¥28500.00 (To replace 1 set of lithium batteries)	¥60000.00-¥80000.00	¥34000.00 (To replace 2.5 sets of lead-acid batteries)	WEIKAHORSE lithium battery warranty period is 5 years.
5-year energy cost of the South course	¥31000.00 (To replace 1 set of lithium batteries)	¥72000.00-¥96000.00	¥36000.00 (To replace 2.5 sets of lead-acid batteries)	



<u>Model</u>	WEIKAHORSE DXW-1500
<u>Driving</u>	Motor: KDS 7.5kw AC motor; Transaxle: heavy duty axle
<u>Material</u>	Chassis: Aviation-grade aluminum extrusion; Frames: High-strength 304 stainless steel, robot welded; Cargo box: Aviation-grade aluminum extrusion; Body panel: High toughness steel plate and aluminum plate stamping forming
<u>Suspension</u>	Mcperson independent spring suspension
<u>Steering</u>	Electric-powered steering system
<u>Controller</u>	CURTIS 72V 350A AC controller
<u>Brake</u>	4 wheel disc brake + EM brake
<u>Battery</u>	72V150AH LFP lithium battery with A grade cells
<u>Charger</u>	On-board automatic high-efficiency intelligent charger, with charging interlock. Charging hours: 6-10h
<u>Display</u>	Battery indicator of capacity, temperature, etc.
<u>Light</u>	Front and rear light + turning signal light
<u>Wheel</u>	23*10.5-14 off-road tire with aluminum rim. F/R wheelbase: 1100mm/1180mm
<u>Seat belt</u>	2-point seat belt
<u>Dimension</u>	Length:3000mm/ Width:1445mm/ Height:1285mm (W/O roof)
<u>Weight</u>	620kg (W/O passengers and cargo)
<u>Cargo box dimension</u>	Length: 1120mm/1200mm; Width: 1350mm; Height: 280mm
<u>Cargo box capacity</u>	Volume: 0.45m ³ ; Load: ≤700kg
<u>Cargo box electric jack</u>	48v electric jack
<u>Passenger</u>	2
<u>Towing capacity</u>	≤600kg (No load in cargo box)
<u>Turning radius</u>	4350mm
<u>Brake distance</u>	≤5500mm (No load)
<u>Ground clearance</u>	285mm
<u>Max speed</u>	30km/h (Full load)
<u>Climbing ability</u>	≤30%
<u>Range</u>	60-80km
<u>Optional</u>	Upgraded seat, Roof, 210AH Lithium battery
<u>Warranty term</u>	2-year warranty for buggy(not including non-consumable parts), 5-year warranty for lithium batteries.

