



KINGSONG INTELL CO., LTD

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KINGSONG KS-S20 /Eagle **Newly Released 2021**

Ref. Photo



1. No extra weight, design. All the features you want without the extra weight;
2. Variable Linkage dampening spring system using 240-75 suspension with 130mm of suspension travel;
3. Self Adjustable Powerpads;
4. Integrated Speedometer Display;
5. Built in Kickstand;
6. 3300w motor with a max speed of 70km/h;
7. 10A fast charging supported with Smart BMS;
8. Built in spiked pedals;
9. 126V wheel with 2220Wh;

Product Performance

Model	KS-S20
Top Speed	Full speed unlocked after 10 KM. Max speed of 70 KM/H, Idling speed of 105 KM/H (Factory alarm settings: 18 KM/H, Level 1 sound alarm; 19 KM/H, Level 2 sound alarm; 20 KM/H, Level 3 Sound alarm with tiltback)
Mileage	Around 200 KM
Maximum Gradability	Around 40°
Battery	Rated Power: DC 111V Top Charging Voltage: DC 126V Rated Capacity: 2220 Wh Smart BMS with balance and protect overshoot/ over discharge/ overcurrent/ short circuit/ overheating function, support monitoring the battery conditions via KingSong APP
Operating Temperature	-10°C - +45°C
Max Load	120 KG
Charger Voltage	Input AC 80~240 V, output DC 126V/6A
Charging Time	About 4H /6A
Rated Power	3300 W
Max Power	7500 W
Color	Black and Red

Dimension & Weight

Dimension	693/747mm(H) x 582mm(L) X 330/465mm(W) (H is the height not including the seat cushion and the height including the seat cushion, and W is the maximum width with the pedals stowed and the pedals opened)
Package Size(mm)	995mm(H) x 785mm(L) x 500mm(W)
Suspension Specification	DNM RCP 2S 750 lb spring suspension
Suspension Distance	Using a variable lever the wheel has dampening travel distance of 75mm which is transferred to the rear spring suspension with a travel distance of 130mm.

Pedal Size and Height	Pedal size: 277*130mm; Pedal height:
Tire Size	20 inch, Diameter 3.0 inch
Weight	about 35 KG
EUC Port	Dual GX16-6 aviation charging port; power switch; light sensor port
Light UP Displays	Cool columnar horizontal stripes red brake lights at the rear, and built in speedo.
Protective Measures	
Lift Sensor	Lift sensor accurately senses and determines when wheel is lifted off the ground to stop tire rotation.
Roll Protection	45° left and right side. (Motor stalls when over 45°) Place the machine vertically on the ground will restart automatically, no need to restart manually
Speed Limit Protection	Beep alarm or voice alarm when exceed limit speed
Low Battery Protection	Low battery protection activated on 30% battery, speed will decreases linearly; when the battery is lower than 5%, voice alarm for charge, when battery at 0%, the front part of the pedal will rise to decelerate until full stop
Higher Temperature Protection	When the motherboard reaches 80℃ it will cresult tiltback. When the motor reaches 120℃ it will result in tiltback.
Alarm & Features	
Swith On/Off	Short press power key: turn on; Long press: hear a click then turn off
Battery Indicate	Led shows battery level when EUC power on at rest
Hardware Features	
Mainboard	The motherboard is designed with a 4 layer structure, allowing for better stability performance. 12 large individual TO-247 imported MOS to sufficiently support the 3300W motor. MOS is attached to the Mg-Al(Aagnesium & Aluminum) Alloy body frame of the wheel, and 16 heat dissipation channels have been added to the bottom of the Mg-Al Alloy motherboard base, for better heat dissipation, which provides a strong guarantee for fast and stable operation.
Bluetooth	Bluetooth 5.0. stronger compatibility and allowing strong stable data transmission.
USB Output	Quick charge 3.0
Front Light	8*5 W lights on the left and right, automatically adjust the brightness according to the speed (twice the KS-S18), and the two lights can adjust the angle separately to provide good lighting at night
Taillight	Red brake light at the tail and steering light are integrated
Display screen	Integrate power, speed, and other information into one matrix display
Temperature System	Temperature of the motherboard and motor is continously closely monitorered to ensure rider safety
Handle	Aluminum constructed handle designed for ergonomic pushing of the wheel or lifting of the wheel
Motor	Higher power 3300 W motor that provides a maximum torque of 160 N.m providing fast acceleration
Suspension System	Unique X shaped suspension system. Pro level suspension provides the ultimate support and shock absorption
Seat cushion	Added a comfortable seat cushion for skilled and long-distance cyclists, ergonomic design, alleviating the toil of standing riding
Package	
Standard Accessories	1 x Charger, 1 x Manual, 1 x Warranty card, 1 x Seat Cushion, 1 x QC certificate