

# ak auto electrical

Mfg. & Exporters of Electric Vechicles

(An ISO 9001:2008 certified company)

# Marvella



*Vintage Buggy*

House of **ak auto electrical**

Marvella Premium Electric, Buggy...!

*Drive The Passion... Ride Marvella...!*







## About Us....!

**a k outto electrical** ISO 9001 : 2008 Certified Co is one of the leading Manufacturers and Exporters of eco-friendly Battery Operated Vehicles.

We have a strong technical and skilled work force, who have taken a giant leap to develop and nurture environment friendly commuting solution by introducing **MARVELLA™**.

Marvella ultimate luxury for classes is specially designed with great effort, enthusiasm and energy by our team. The company's aim is to manufacture Electric Vehicles of the highest quality, offering latest technology, committed customer service & satisfaction. So that each and every product that rolls out, from the plant offers utmost safety, comfort and utility to the driver, as well as the passengers which in turn get converted into

**“Value for Money” with a company mission “Trust to Faith”.**

# Marvella







## TECHNICAL SPECIFICATION

### MARVELLA VINTAGE BUGGY

DETAIL	6 SEATER	8 Seater
<b>KEY FEATURES</b>		
<b>CONTROLLER</b>	CONTROLLER 48 V - 400 AMP.	CONTROLLER 48 V - 400 AMP.
<b>MOTOR</b>	48 V 4 KW DC MOTOR.	48 V 4 KW DC MOTOR.
<b>BATTERY</b>	6 V 225 AH BATTERY 8 PCS.	6 V 225 AH BATTERY 8 PCS.
<b>CHARGER</b>	HIGH FREQUENCY ONBOARD CHARGER, OUTPUT 48V/22A.	HIGH FREQUENCY ONBOARD CHARGER, OUTPUT 48V/22A.
<b>PERFORMANCE</b>		
<b>PASSENGER CAPACITY</b>	6 PERSON (4+2 Seater)	8 PERSON (6 + 2 Seater)
<b>RANGE (LOADED) (KM)*</b>	UP TO 70 KM	UP TO 70 KM
<b>MAX. SPEED (KM/H)</b>	UP TO 25 KM/H	UP TO 25 KM/H
<b>MIN. TURNING RADIUS (m)</b>	4.5 m	4.5 m
<b>MAX. CLIMBING ABILITY (m)</b>	UP TO 10 %	UP TO 10 %
<b>MAX. MOVEMENT AFTER BRAKE AT SPEED OF 20 KM/H</b>	≤ 1.5 m	≤ 1.5 m
<b>MAX. LOADING WEIGHT (KGS)</b>	420 KG	560 KG
<b>CHARGING TIME (HOUR)</b>	8 HOURS	8 HOURS
<b>STEERING &amp; SUSPENSION</b>		
<b>STEERING SYSTEMS</b>	SINGLE-STAGE RACK AND PINION STEERING SYSTEM.	SINGLE-STAGE RACK AND PINION STEERING SYSTEM.
<b>BRAKE SYSTEM</b>	4 WHEEL HYDRAULIC FRONT DISC, REAR DRUM BREAK WITH PARKING BRAKE.	4 WHEEL HYDRAULIC FRONT DISC, REAR DRUM BREAK WITH PARKING BRAKE.
<b>ACCELERATOR</b>	RESISTANCE TYPE, STEP LESS SPEED CHANGE.	RESISTANCE TYPE, STEP LESS SPEED CHANGE.
<b>FRONT SUSPENSION</b>	INDEPENDENT SUSPENSION WITH DOUBLE ARM.	INDEPENDENT SUSPENSION WITH DOUBLE ARM.
<b>REAR SUSPENSION</b>	TAPER LEAF SPRING WITH HYDRAULIC CYLINDER SHOCK ABSORBER.	TAPER LEAF SPRING WITH HYDRAULIC CYLINDER SHOCK ABSORBER.
<b>DRIVING MODE</b>	REAR AXEL TWO STAGE DECELERATION, MOTOR DIRECT DRIVING.	REAR AXEL TWO STAGE DECELERATION, MOTOR DIRECT DRIVING.
<b>REAR AXEL</b>	ALUMINIUM DIFFERENTIAL CAGE, INTEGARTED, 10.25:1 GEAR RATIO	ALUMINIUM DIFFERENTIAL CAGE, INTEGARTED, 10.25:1 GEAR RATIO
<b>WHEEL &amp; TYRE</b>	ALLOY WHEEL 175/65 -15	ALLOY WHEEL 175/65 -15







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## TECHNICAL SPECIFICATION

### MARVELLA VINTAGE BUGGY

DETAIL	6 SEATER	8 Seater
	<b>DIMENSION</b>	
OVERALL DIMENSION (mm)	4000 x 1370 x 1970 (L X W X H) mm	4860 x 1370 x 1970 (L X W X H) mm
MIN. GROUND CLEARANCE(mm)	220 mm	220 mm
WHEEL BASE (mm)	2700 mm	3500 mm
FRONT WHEEL TREAD (mm)	1105 mm	1105 mm
REAR WHEEL TREAD (mm)	1150 mm	1150 mm
	<b>BODY FRAME</b>	
FRAME & CHASSIS	ERW2 WELDED, STEEL FRAME WORK WITH RUST PROOF COATING PAINTING.	ERW2 WELDED, STEEL FRAME WORK WITH RUST PROOF COATING PAINTING.
BODY & ROOF	HIGH IMPACT FIBBERGLASS	HIGH IMPACT FIBBERGLASS
WINDSHIELD	TOUGHENED LAMINATED SAFETY GLASS	TOUGHENED LAMINATED SAFETY GLASS
ROOF SUPPORTS	STAINLESS STEEL FRAME	STAINLESS STEEL FRAME
CUSHION	REBORN SPONGE WITH ARTIFICIAL LEATHER AND WOODEN BOTTOM.	REBORN SPONGE WITH ARTIFICIAL LEATHER AND WOODEN BOTTOM.
BACKREST	REBORN SPONGE WITH ARTIFICIAL LEATHER.	REBORN SPONGE WITH ARTIFICIAL LEATHER.
ARMREST	PART OF BODY	PART OF BODY
FLOOR MAT	SKIPPROOF RUBBER	SKIPPROOF RUBBER
DASHROOF	COLORED LEATHER WITH F/R SWITCH, BATTERY POWER INDICATOR, IGNITION KEY ON IT.	COLORED LEATHER WITH F/R SWITCH, BATTERY POWER INDICATOR, IGNITION KEY ON IT.
	<b>ELECTRIC SYSTEMS</b>	
LIGHTS	12 V LED HEADLIGHT FRONT TURNING, FOG, TAIL LIGHT (includes brake light & turning light)	12 V LED HEADLIGHT FRONT TURNING, FOG, TAIL LIGHT (includes brake light & turning light)
HORN	ELECTRIC HORN, 12 V	ELECTRIC HORN, 12 V
REVERSE BUZZER	ELECTRIC, 12 V	ELECTRIC, 12 V
DC TO DC CONVERTER	48 V TO 12 V 22 AMPS.	48 V TO 12 V 22 AMPS.
WIPER & WIPER MOTOR	ELECTRIC 12 V	ELECTRIC 12 V
DIGITAL METER	INCLUDING SPEEDOMETER, MILEAGE, VARIOUS INDICATORS INCLUDING : HEADLIGHT, TURNING LIGHT, PARKING, EMERGENCY LIGHT, REVERSE.	INCLUDING SPEEDOMETER, MILEAGE, VARIOUS INDICATORS INCLUDING : HEADLIGHT, TURNING LIGHT, PARKING, EMERGENCY LIGHT, REVERSE.







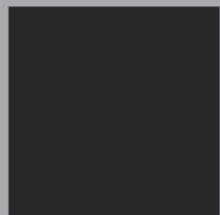
TM

## COLOUR SPECIFICATION

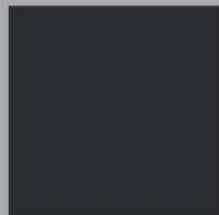
# Marvella

**Do You have a Dream Design for  
your Vehicle? We will build it !**

## Colour Options



**Black Cherry**



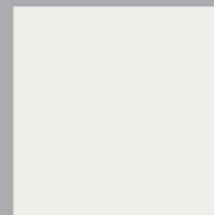
**Luxury Blue**



**Melbournerot Red**



**Chestnut Brown**



**Ballon White Pearl**



**Giallo Midas Yellow**







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# Marvella

## Our Quality Feature



**Imported  
LED Head Light**



**Hi Performance  
Tyre & Alloy Wheel  
175/65 -15\***



**Premium Quality  
Automotive Paint**



**Premium Quality  
Leather Seat Cover**



**Superior Quality  
Front Chrome Grill**



**Heavy Duty  
Bumper**



**More Colour  
Option**



**Glass Steel Roof, High -  
Temperature corrosion and  
Rust Beautiful appearance,  
Strong Texture**



**Fog Lamp**



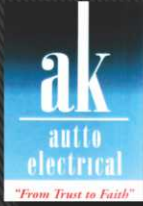
**Stainless Steel  
Rear Guard**

**House of a k auto electrical  
Marvella Premium Electric, Buggy...!**

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