



NWOW

INSTRUCTION BOOK

ARS 产品说明书



Catalog:

- 01. Overview of NWOW-ARS electric motorcycle
- 02. Vehicle structure diagram
- 03. Indication of switches and panel board
- 04. Vehicle main specs
- 05. Pre-riding check up
- 06. Proper riding guide
- 07. Warm tips of riding
- 08. Appropriate usage and maintenance guide of main electric parts

| 02. Vehicle structure diagram

No.	Name	No.	Name
01	headlight	12	motor
02	turn signal	13	rear tire
03	brake lever right	14	rear shock absorber
04	side mirror right	15	center stand
05	side mirror left	16	side stand
06	brake lever left	17	charging socket
07	hand grip	18	front shock absorber
08	saddle	19	front tire
09	rear handle	20	valve
10	tail light	21	front rim
11	back fender	22	front fender



| 03. Indication of switches and panel board

a. Left combination switch

High and low beam: -----

≡☹ indicates low beam

≡☹ indicates high beam

Turn signal switch :-----

⇐ switch left to enable signal light left

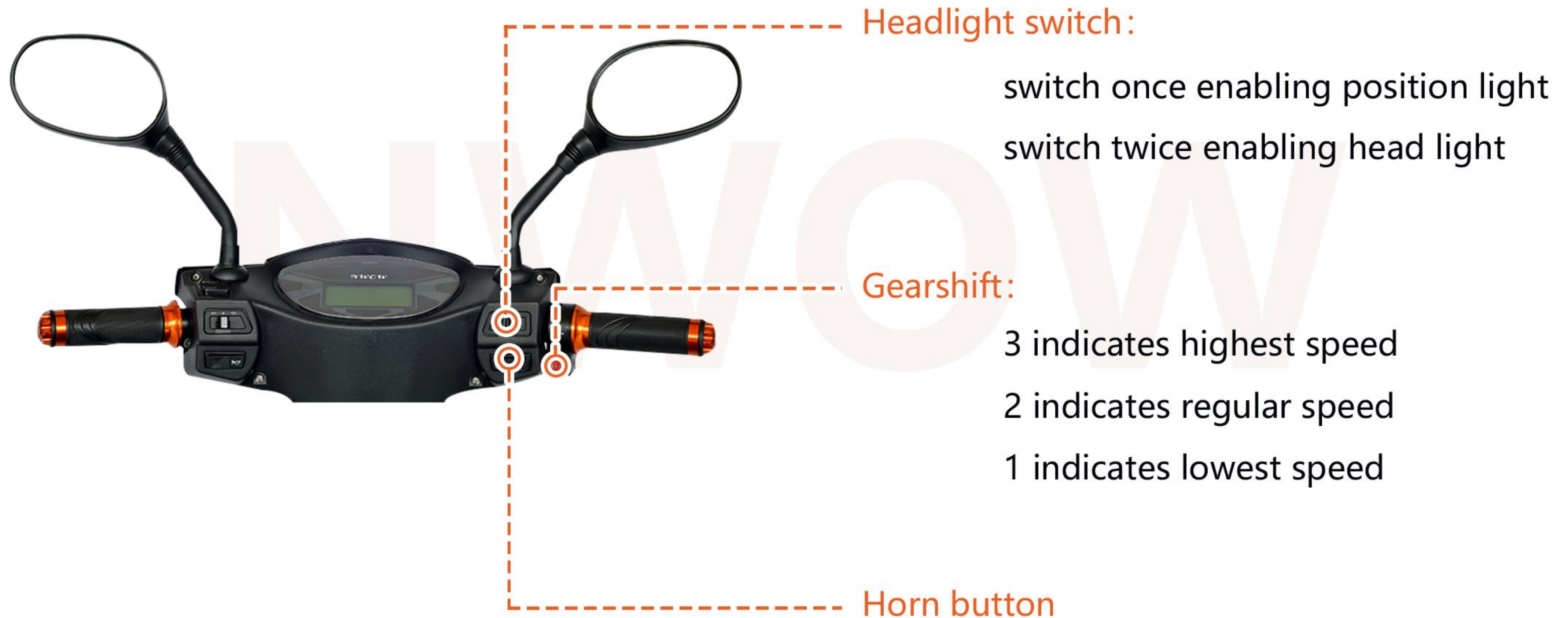
⇒ switch right to enable signal light right

Horn button -----



| 03. Indication of switches and panel board

b. Right combination switch



| 03. Indication of switches and panel board

c. Panel board indications



| 04. Vehicle main specs

overview	dimension	1650*615*1230mm	Motor	battery	48V20AH
	wheelbase	1200mm		capacity	0.45KW
	curb quality	49kg (without battery)			
	maximum load	150kg	Braking system	front	drum brake
	highest speed	45km/h		rear	
	range	50km			
Controller	voltage	48V	Charger	charging current	2.5A
	over-voltage protection	54±1V		charge time	6-8h
	under-voltage protection	42±1V		climbing slope	7-12°

| 05. Pre-riding check up

1. Tightness of steering handle, shock absorbers, rear handle, wheels etc.
2. Activation of power switch in brake lever, sensibility of brakes.
3. Tightness of wheel axle nuts.
4. Function of panel board, horn, switches.
5. Installation of mirrors, reflectors.
6. Tire pressure of tires.
7. Function of accelerator.
8. Wire connection among batteries.

| 06. Proper riding guide

1. Insert the key into the key lot, switch to start the power, then panel board is powered on. Slowly turn the accelerator to the maximum, speed goes from slow to fast , release the accelerator, the unit slows down until stop running.
This bike has three-speed selector.
 2. Both brake levers are installed with sensor to power off electricity of motor, activate it by braking.
 3. To drive safely, brake as short(slight) as you can, brake constantly in a short time if quick brake is needed, these rules are not applicable under emergency.
 4. Turn off the power or set on central stand, in case of accidentally moving accelerator to cause accidents.
 5. Do not jet off vehicle when starting, slow starting is good for electric systems.
- * Suggestion: even this bike can start quickly, it is suggested to start slowly by accelerating slowly which helps to extend the lifespan of battery and electric control system.

| 07. Warm tips of riding

1. For the safety of you and others, please consciously abide by the city traffic rules, no passengers allowed.
2. Do not ride without proper knowledge of the electric bike, do not lend the electric bike to those who do not know how to operate in order to avoid unnecessary damage or danger.
3. Do not disassemble the unit without permission so as to avoid any risks.
4. Do not oil the brake , so as to avoid brake failure. Please slow down and brake in advance in case of rain or snow.
5. It is forbidden to connect the positive and negative electrode of the battery with the conductor wire or conductor. Otherwise there will be a large short circuit current and accident.

| 08. Appropriate usage and maintenance guide of main electric parts

a. Appropriate usage of charger

1. It is recommended to use fully charged battery before each ride to extend its lifespan.
 2. The indicator on the charger is red while charging normally, green when fully charged.
 3. Before charging, first power off the vehicle and plug in charger with charging socket, then connect the charger with electric power.
 4. Do's and don'ts:
 - Never operate with wet hands.
 - Unplug charger from power first then remove charger from vehicle.
 - Keep charger away from children.
 - Once you find abnormal situation while using, stop it immediately and contact dealer for maintenance.
 5. Do not disassemble the battery box or charger without authorization so as to avoid damage to the internal components.
- * The charger will heat during charging, please place it away from inflammables while charging, such as wood floor or plastic.

| 08. Appropriate usage and maintenance guide of main electric parts

b. Notes for battery using

1. Batteries are consumables, the capacity of battery declines with time of using(charge and discharge cycle) ,the range of motorcycle declines as well, however, if the capacity was detected below 50% of standard capacity when it is in warranty period, it will be considered as factory defect, please contact local dealers for after sales service.
2. Keep batteries fully charged as frequent as you can, it shall be charged at least once per month if it is idle, fully charge it before each ride will extend its lifespan.
3. Avoid overusing of batteries, controller and batteries are designed with low voltage protection function, when the voltage showing on panel board is low enough to slow down speed of riding, don't re-start vehicle repeatedly, it should be charged asap.
4. When batteries run out of life, it is suggested to replace new batteries from our authorized stores, recycle the old batteries will avoid environment pollution.

| 08. Appropriate usage and maintenance guide of main electric parts

c. Usage and maintenance of motor

1. The motor hub will emit some noise, and when brushless motor is in reverse mode, it feels a certain amount of resistance with slight sounds, these are normal phenomena.
2. Hub motor usually do not need special maintenance.
3. In daily riding, you are suggested to check the screws and bearings near swing arm(those screws and bearings fasten motor), examination or maintenance is needed if any loose of screws are found.

| 08. Appropriate usage and maintenance guide of main electric parts

d. Guidances to the electric control systems

1. The electric control systems includes controller, panel board, accelerator, brake lever, switches, wires of circuit ect. try not to expose it in water, it causes short-cut or even burn out the components.
2. The controller is the heart of the electric bike, the controller will be heating during work, the greater the current, the greater the heating, overheating will affect the lifespan of controller, please control the load weight and speed.
3. Don't clean your electric motorcle with high-pressure water gun.

01. Overview of ARS electric motorcycle

Dear customers:

Thank you for choosing model ARS. Before practicing, please read carefully this instruction book, and keep it well. We kindly request you to practice it according to local laws and traffic regulations.

