

e-Odin 2.0 / e-Odin Pro

User Manual

Ver: 2.0

www.dayimotor.com

Add VIN Code here

The VIN Code of your motorcycle

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General Notice

- Please read this User Manual carefully for the correct use of your motorcycle.
- For your safety, please check that all elements of the motorcycle are in good condition according to this User Manual before driving. Contact your distributor in case of detecting any problem.
- Please respect the traffic regulations. Slow down on slippery roads and/or in bad weather to ensure adequate stopping distance.
- Please pay special attention in flooded areas, it could cause rust or failure of the motor, battery or other parts if the water exceeds the wheel axle.
- To ensure the safety of others and the integrity of your motorcycle, do not let people who are not trained to drive it.
- For more information, please consult our website: www.dayimotor.com

Precautions

- Driver and Passenger

This motorcycle is not designed for more than 2 people.

- Road conditions

This motorcycle is not designed for off-road use.

- This User Manual should be considered as an essential part of the documentation for this motorcycle. If ownership of the motorcycle is transferred, this Owner's Manual must also be transferred to the new owner.
- Reproduction or reprinting of any part of this User Manual is strictly prohibited.

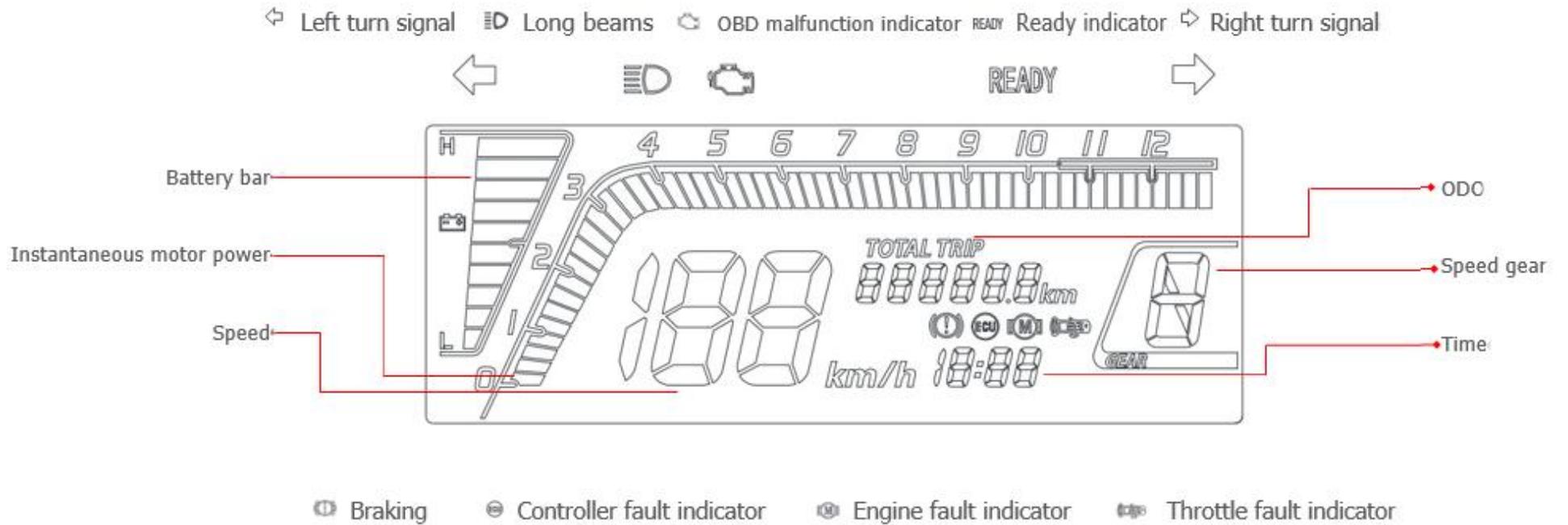
ATTENTION: Do not exceed speed limits and brake carefully. Always use the side stand or center stand when parking your motorcycle.

ATTENTION: Failure to follow the instructions below may result in serious injury, personal injury and/or damage to the motorcycle.

Component Information



Dashboard Information



Ignite / Turn on the motorcycle

- Press the Power button on the remote control to turn on the motorcycle.
- Insert the key to the lock and turn it to the location of "IGNITION". The signal will light up on the dashboard and you will be ready to drive.

Unlock the motorcycle

Press the unlock button  on the remote to deactivate the alarm. Insert the key into the lock, press the key and turn it clockwise to unlock the handlebar.

Lock the motorcycle

Turn off the motorcycle. Turn the handlebar to the left, insert the key into the lock and turn it counterclockwise to lock the handlebar. Press the lock button  on the remote control within a range to activate the alarm.

Left Switch

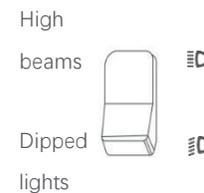


① Dipped/High beams

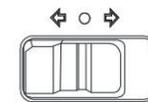
② Turn Signal

③ Horn

④ Parking mode



Dipped/High beam: Press the upper part of the switch to set high beam; press the lower side for low beam.



Turn Signals: Move the button to the right to activate the right turn signal. Move the button to the left to activate the left turn signal. Move the button to middle location to turn off.



Horn/Parking: Press the left of button to activate the Horn. Press the right of button to activate/remove the Parking mode

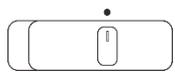


Right Switch

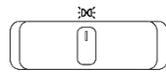
- ① Hazard lights
- ② Lights On/Off
- ③ Reverse
- ④ Speed gear

Hazard lights on **Hazard Lights:** Slide the switch to the up position to activate the hazard lights; slide the switch to the right to turn them off.

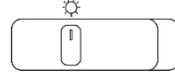
Hazard lights off



Turn off lights



Null



Turn on lights

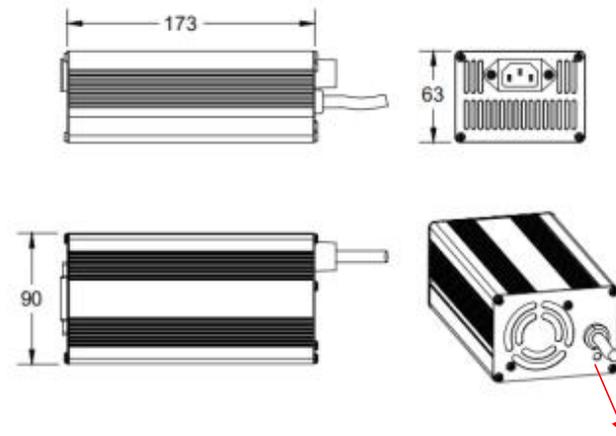


Reverse/Speed gear Button: Press and hold the button **R** to activate reverse mode. Press the button **S** to shift the speed gear for different speed limits.

Battery Usage and Maintenance

Battery level indicator

- You can observe the battery bar on the dashboard to learn the remaining power of the battery.
- The battery charging is suggested to be done when three (3) grids remain on battery bar.
- While charging, the indicator on the external charger will turn to **RED**. The indicator will turn to **GREEN** when charging is finished.



Indicator

Battery Use and Maintenance Guide

Use of the Environment

To avoid possible leaks, overheating, smoke, fire or explosion, please follow the instructions below.:

- The battery should be used in temperatures between -10°C and 45°C.
- Do not expose it to water, drinks or corrosive liquids.
- Keep it away from sources of heat, direct fire and flammable and/or explosive gases and liquids.
- Please keep metal parts away from the battery compartment

In case of bad smell, overheating or deformation of the battery, please stop using it immediately, stay away from the battery and contact your dealer.

WARNING: In case of bad smell, overheating or deformation of the battery, please stop using it immediately, stay away from the battery and contact your dealer.

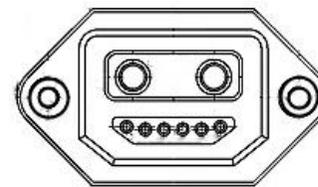
Charging environment

The battery should be charged in temperatures from 10°C to 35°C. The charging time should not exceed 24 hours, otherwise the battery life will be reduced. Do not charge the battery outdoors.

ATTENTION: Do not charge the battery in temperatures below 0°C.

CAUTION: Using non-genuine battery chargers may cause battery leakage, overheating, smoke, fire and/or explosion.

Charging ports on the motorcycle



① Charging port (2+6)



② On-board charging port (Type 2): **Optional**

Battery charging methods

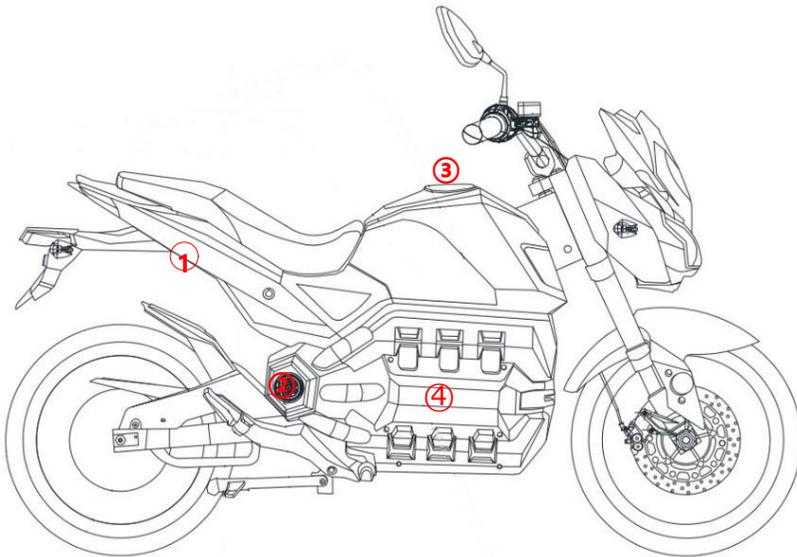
- ① Charging port (2+6)
- ② On-board charging port (Type 2) inside of glove compartment: **Optional**
- ③ Fan-cooled radiator

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Charging mode 1

Charging the motorcycle via external charger: Connect the charging port

- ① with external charger

Charging mode 2

Charging the motorcycle via on-board charger: Connect the port ②

with the charging connector (Optional)

⚠ CAUTION:

- All operations must be performed strictly as indicated in this manual, otherwise the user will assume the result.
- An original charger must be used.
- Pay attention to the type of battery and the voltage applied to it. Charging should be done in a ventilated environment. DO NOT charge indoors or in high temperatures. DO NOT put the charger in the seat box or rear case while charging the battery. **DO NOT forget to open the fan-cooled radiator ③ before charging**
- While charging; connect the battery to the charger before connecting it to the power.
- When charged, disconnect the charger from the mains before the battery.
- When the indicator on charger turns green, unplug the charger from the power.
- Avoid leaving the charger connected to power while not in use.
- While charging; If the charger indicator light is abnormal, there is an odor, or the charger overheats, immediately stop charging and change the charger.
- Protect the charger from water and any liquid.
- Make sure the external charger / charging connector is well protected while transportation.
- DO NOT tamper with or change parts of the charger.
- Recharge the battery to at least 50% before storing it.
- For periods of inactivity recharge the battery for 4 hours once a month.
- Switch to OFF and disconnect the battery
- Place the battery in a well-ventilated suitable room
- Recharge the battery to 100% before using again the vehicle

⚠ ATTENTION:

- If the battery is not fully charged after 12 hours connected, please contact your dealer.
- To maximize battery life, keep the charge level between 20% and 80%.
- The battery loses capacity at lower temperatures. Being more specific, the ability to -10°C is 70%, 85% at 0°C, and 100% at 25°C.
- To store the battery, a 50% charge is recommended. Storing it with a charge level below 10% or above 90% for a long time can reduce the battery capacity irreversibly.
- **The battery must be removed from the motorcycle for storage longer than one week.**
In this situation, please keep the battery between 0°C and 20°C with a charge level of 30%-70%. It is recommended to carry out 1 full charge and discharge cycle every 2 months to reduce battery capacity loss.
- **If the battery fails it is due to improper use or lack of proper maintenance. In this case the guarantee is invalidated.**
- If the battery falls to the ground it can cause internal damage causing leakage, overheating, smoke and/or explosion.

CAVEAT: Using only one of the two brakes is dangerous as it reduces grip and causes loss of control of the motorcycle. Pay special attention and use the brakes gently when driving on wet and slippery roads and in curves. Otherwise you will be exposing yourself to great danger.

DO'S and DON'Ts while driving

Before driving

Please check the following list before driving:

Check Point	Description
Direction	(1) Firmness (2) Steering flexibility (3) No axial displacement or loosening
Brakes	The brake lever has a dead travel of 5 to 9mm.
Tyres	(1) Front and rear tyre air pressure range are recommended from 200 to 225 kPa (29 to 32.6 psi) (2) Tread depth (3) No cracks or openings (4) Minimum speed gear: 1.
Battery	Adequate for the intended displacement
Lights	Check all lights – Dipped/High beam, Brake, Turn Signals, etc.
Horn	Check that the horn works

Precautions when braking

Stand the motorcycle upright. If the tires are locked and the motorcycle loses steering ability due to excessive use of force while braking, loosen the brake lever and the tires will work again and the motorcycle will stabilize. Try to maintain a 1:1 ratio between the front and rear brakes, especially on slippery surfaces.

Maintenance and Repair

The maintenance and repair of your motorcycle are of vital importance to guarantee its proper functioning and safety as well as to be able to exercise your right to the guarantee if necessary.

Mandatory reviews

ATTENTION:

In order to guarantee compliance with the deadlines established in the table of mandatory revisions below, we recommend that you plan your visit to your official dealer in advance.

CAVEAT:

Do not use pressurized water to clean the motorcycle, especially around the battery compartment. Do not rinse the inside of the rear fender as the charging point, controller, and other critical parts are in that area. If the charging point gets wet, do not charge the motorcycle until it is completely dry.

mandatory inspection must be carried out 6 months after purchasing your vehicle or after traveling the first 1,000 km, whichever comes first. The

following mandatory checks must be carried out once a year or every 5,000 km, whichever comes first. See maintenance table below.

Wash the motorcycle

Avoid using large flow of water to wash the motorcycle. Please use neutral detergents and water to clean the motorcycle. Use soft cloths to dry it to avoid scratches and scratches.

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CAVEAT:

All revisions and repairs must be carried out in an authorized dealer/distributor that guarantees the quality of the service and the use of original spare parts. If you do not follow these instructions, you will lose the right to the guarantee of your vehicle.

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Storage method

Short-term storage:

- Keep the motorcycle in a flat, ventilated and dry place.
- Charge battery up to 50% before storage to maximize battery life.
- Avoid exposure to sun and rain to reduce damage and the passage of time.

Long-term storage:

- Remember to perform a full charge and discharge at least 1 time every 2 months with an initial charge level of 50%. This will extend the life of the battery.
- Charge the battery to 100% after a long period of storage.
- Check all parts of the motorcycle before riding it again. If there is any problem, please take the motorcycle to an authorized repair center.
- **CAUTION: Disconnect the battery from the motorcycle during long-term storage.**

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Mandatory maintenance table			
ITEMS TO CHECK	KILOMETERS / INTERVALS		
	First 1,000 km (odo) or 6 months	First 5,000 km (odo) and every 5,000 km or 12 months	NOTE
Wheels / Tyres	✓	✓	Check pressure every 1000 km
Direction	✓	✓	
Suspension front*/Rear	✓	✓	* Recommended oil change every 2 years
Center and side stand	✓	✓	
Tighten bolts / nuts	✓	✓	
Brake fluid	✓	✓	Recommended fluid change every 2 years
Brake discs	✓	✓	
Brake pads / calipers	✓	✓	
Throttle grip operation	✓	✓	
Battery	✓	✓	
Lights, switches and horn	✓	✓	
System diagnostics	✓	✓	
Troubleshooting List			
Description Malfunction	Causes	Solutions	

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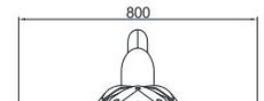
Troubleshooting List		
Malfunction description	Causes	Solutions
Nothing happens when you turn it on	1. Battery exhausted 2. Controller/Engine failure	1. Charge the battery. 2. Contact your dealer.
Engine failure when activating the throttle once the motorcycle is on	1. Low battery level 2. System switch is off 3. Parking mode has not yet been removed	1. Charge the battery. 2. Open the saddle and turn on the system switch. 3. Removing the Parking mode.
Sudden stop while driving	1. The charger is not properly connected to the battery. 2. The battery is completely discharged.	1. Check that the plug is not loose 2. Contact your dealer.
Failed to charge the battery	1. Low battery level 2. low tyre pressure 3. Overload and/or excessive braking 4. Battery aging or capacity loss 5. Low battery capacity due to low temperatures	1. Charge the battery. 2. Check tyre pressure. 3. Develop good driving habits. 4. Change the battery. 5. Normal situation.
Drop in autonomy and/or speed		
Identify the cause of the failure through the indicator on dashboard. Contact your dealer if the solutions proposed in this manual are not working.		

Dead battery

Charge the battery

Indicator  on	Side stand lay down	1. Lift the side stand 2. Contact your dealer if problem remains on Solution 1.
Indicator  on	Controller fault	Contact your dealer.
Indicator  on	Engineer fault	Contact your dealer.
Indicator  on	Throttle fault	Contact your dealer.
Indicator  on	OBD debug fault	Contact your dealer.
Code 20	Engine over temperature	Stop the motorcycle and resume driving when it has cooled down.

Technical parameters



e-Odin 2.0		
Characteristic	Dimensions	1940 x 800 x 1340 mm
	Weight (battery included)	171 Kg
	Maximum load capacity	150 Kg
	Number of occupants	1 o 2 Personas
	Range	210 Km
	Gradeability	30%
	Maximum speed	100 Km/h
Battery system	Voltage	72 V
	Standard charge current	Portable 10 A
	Maximum discharge current	120 A
	Capacity	100 Ah
Propulsion system	Motor	DAYI Hubmotor
	Engine controller	FOC Vector Control
	Rated power	6000 W
	Max continuous power	6300 W
	Energy consumption	37 Wh/Km
Electric system	Headlight/Turn Signals	12 V LED
	Tail light/Brake light	
	Meter/Panel	
	Central control unit	12 V
Chassis	Front/Rear shock absorber	Direct Impact Hydraulic Shock Absorber
	Front tyre	110/70-17
	Rear tyre	180/55-17
	Front brake	∅ 300 mm hydraulic disc brake
	Rear brake	∅ 220 mm hydraulic disc brake
	Minimum ground clearance	190 mm
	Seat height	800 mm
Dashboard	LCD dashboard or TFT intelligent	

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e-Odin Pro		
Characteristic	Dimensions	1940 x 800 x 1340 mm
	Weight (battery included)	181 Kg
	Maximum load capacity	150 Kg
	Number of occupants	1 o 2 Personas
	Range	200 Km
	Gradeability	30%
	Maximum speed	120 Km/h
Battery system	Voltage	72 V
	Standard charge current	Portable 25 A
	Maximum discharge current	190 A
	Capacity	120Ah
Propulsion system	Motor	DAYI Hubmotor
	Engine controller	FOC Vector Control
	Rated power	10000 W
	Max continuous power	14200 W
	Energy consumption	52 Wh/Km
Electric system	Headlight/Turn Signals	12 V LED
	Tail light/Brake light	
	Meter/Panel	
	Central control unit	12 V
Chassis	Front/Rear shock absorber	Direct Impact Hydraulic Shock Absorber
	Front tyre	110/70-17
	Rear tyre	180/55-17
	Front brake	∅ 300 mm hydraulic disc brake
	Rear brake	∅ 220 mm hydraulic disc brake
	Minimum ground clearance	190 mm
	Seat height	800 mm
Dashboard	LCD dashboard or TFT intelligent	