

H₂

H₂ is the lightest element so does Pedaleze H₂ at 21.5 Kgs is the lightest electric bicycle on the market.

H₂ comes in two colours, Atom Black and metallic Grey.

H₂ is highly combustible similarly the Pedaleze H₂ comes with a 36v250 watt, 100nm torque mid drive unit, which is Pepi and extremely powerful when compared to its hub drive siblings.

H₂ comes as a promising and sustainable micro mobility equipment when compared to its fossil fuel alternatives.



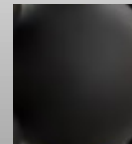


H₂

- *Ergonomically designed light weight frame design*
- *Light weight cast aluminum rims*
- *Ultra low friction bearing hubs for a smooth and effortless roll*
- *Intuitive display*
- *Integrated Smart controller*
- *Economical and Affordable*
- *Has a range of 45Km to 50 km (10 Ah) adequate for meeting the hyper local requirements*



Metalic Grey

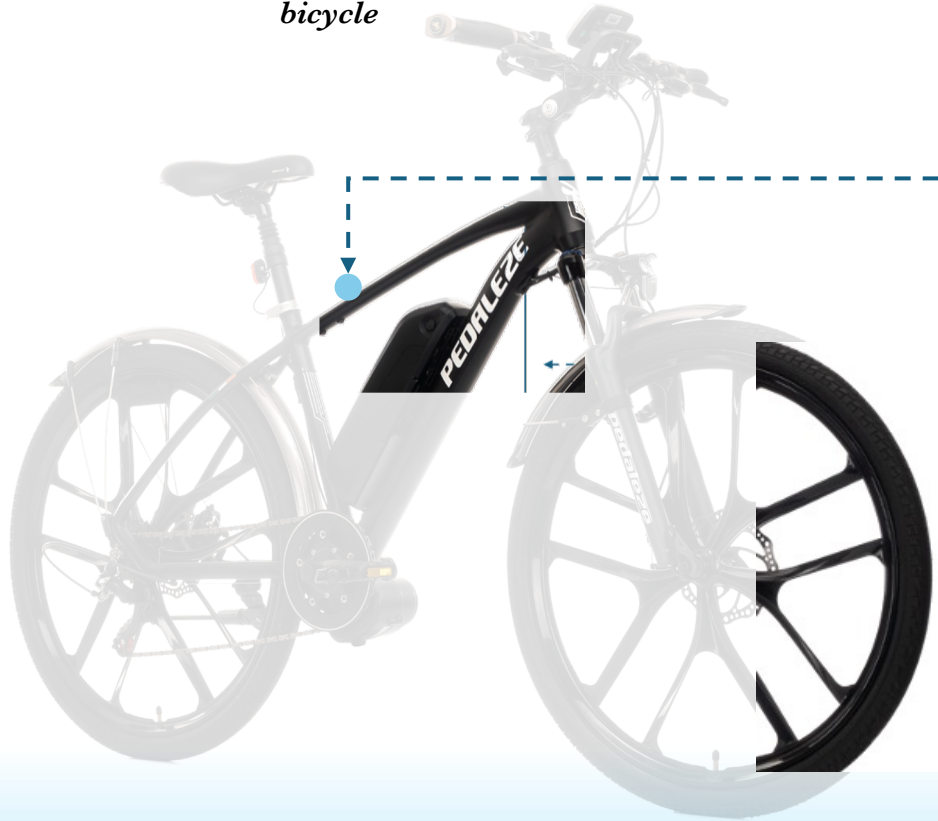


Atom Black

H₂ - Options

FRAME DESIGN

Robust and sturdy Al 6061 Aero space alloy frame manufactured from hydroformed sections. design to withstand the stress that are transferred due to extensive use of an E-bicycle



WHEEL RIM DESIGN

Aluminum Magnesium cast alloy wheels designed keeping in mind the conformities required for qualifying for an E-bicycle rims.



EDRIVE SYSTEM

*Cadence sensitized DMT-250-MAC
Mid drive system having a rated
output of 250watts and 90Nm of
torque. Pepi and nimble on flat
terrain and powerful on hilly terrain*

H₂ – E drive system

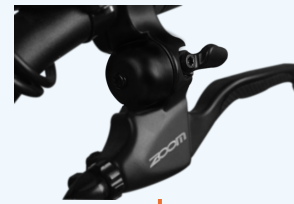
Suspension seat post



Highly intuitive display system



Integrated bell with brake lever



Ergonomically designed handlebar with patented grip system



ISO certified high power Led system mounted on hydraulically locked out suspension

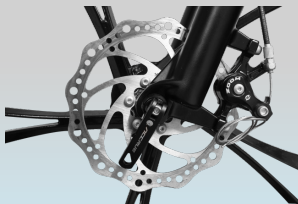


7 speed gear system with Fire shifter

DMT-250-MAC powerful Mid drive with 90Nm of torque for a smooth and effortless travel



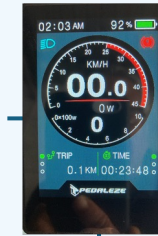
E-bike compatible and mechanically activated Disc brakes for better and effective braking



Aluminum anti skid pedals



H₂ - features



• *Highly intuitive display with the following features.*

1. Odometer
2. Speedometer
3. Instantaneous Watts meter
4. Trip meter
5. Trip time
6. Brake indication
7. Clock
8. Battery level indication
9. Assist level indicator
10. Range to charge (Based on Effort estimate, A proprietary tech)
11. Error code display
 1. Controller error indication
 2. High Temperature cut off indication
 3. High voltage cut off indication
 4. EB buss communication fault indication
 5. High current cutoff indication
 6. Motor hall sensor error indication
 7. Motor winding error indication
12. Start up menu
13. Bicycle Ride history screen

H₂- Special control function



Build		
1	Frame system	Aluminum 6061space frame manufactured using Hydroformed tubes. Fitted with suspension seat post and flexible stem
2	Front suspension system	Hydraulically locked suspension with 100mm travel mounted with sealed bearing headset
3	Seat system	Suspension seat post with quick coupler and PU seat
4	Wheel system	27.5"x 2.1" all terrain RALSON Nylon tires with tubes slapped on to a aluminum magnesium space alloy rim fitted with ultra low friction bearings and and a quick release coupler axle
5	Brake system	Front and rear E-bicycle compatible mechanically activated or hydraulically activated Disc brakes with 120mm rotor
4	Drive system	42 teeth crank wheel with powder coated crank arm and alloy pedals connected through an E-bicycle compatible high tensile chain to a 7 speed gear box
Power train		
	Motor Type	DMT-MAC-250 Mid drive with 100 Nm of torque
	Controller type	PEDALEZE smart controller
	HMI	Intuitive multi function color display
Energy Storage		
	Energy system	Li-ion battery (18650 x 2600mah) packed into Pedaleze Special containers with 10 ah capacity . Has an average range of 45-50 Km



Frame. + Mechanicals		
1	Frame	3 years
2	Wearable parts	6 months
3	Non wearable parts	1 year
Power train		
	Motor	2 year
	Controller	2 year
	HMI + wiring harness	6 months
Energy Storage		
	Battery	2 years

- *Warranties are against manufacturing defects only.*
- *The warranties mentioned are for Indian customer only*
- *International warranties will be the same for the frame mechanicals and motor.*
- *Warranties on the energy storage system will be based on the local manufacturers warranty terms.*