



RANGER

The Moped E-Bicycle



PEDALEZE

ABLE | AGILE | YOU

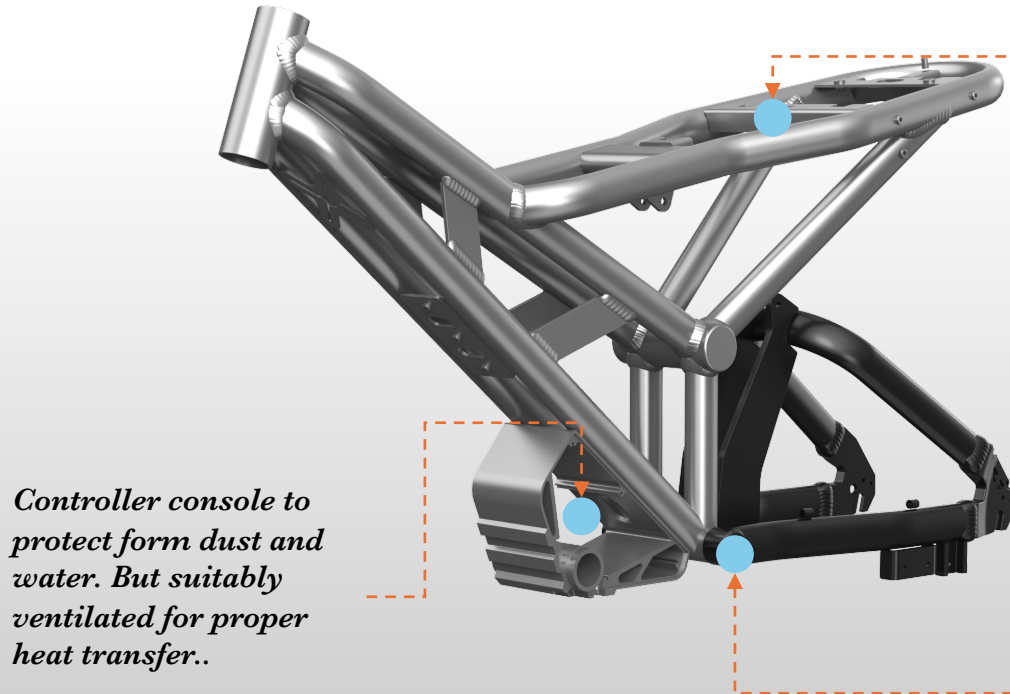
RANGER



- *Ergonomically designed Aluminum 6061 Aerospace frame*
- *Unisex*
- *Pedaleze Smart controller*
- *Economical and Affordable*
- *Dual battery with **80 – 100 Km range***
- *Front Hydraulic suspension with preload adjuster*
- *Rear Spring suspension with preload adjuster*

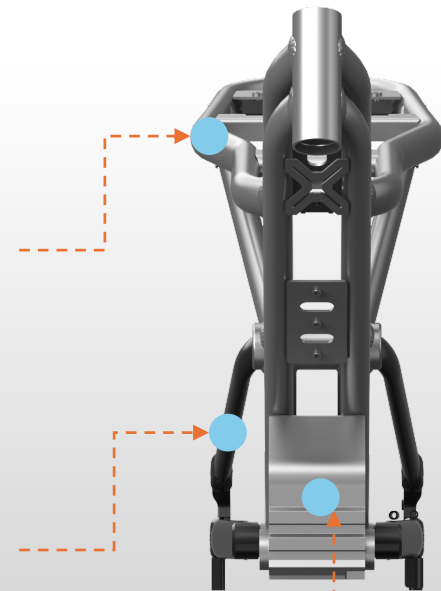
*Aesthetically designed ,
Robust and sturdy frame,
keeping in mind the
conformities required for
qualifying for a moped E-
bicycle frame.*

VRD™
Variable Reach Design



*Manufactured from AL6061
aerospace alloy and heat
treated for stiffness and better
fatigue strength to withstand
the stresses that are
experienced due to extensive
use of a moped E-bicycle*

*Single pivot Suspension system
with preload adjuster spring
shock absorber*





PEDALEZE SMART CONTROLLER

Smart controller with jump start set to 15 km/h speed. Pedal assist set to cutoff at a maximum speed limit of 25 km/hr.

Note: For exports, based on the respective country's e-bicycle laws, permissible speed limit on the controller may be modified based on customer requirements without extra charge.

Mono shock spring suspension with preload adjuster



35AH Combo battery with a toggle switch to switch between main and reserve.



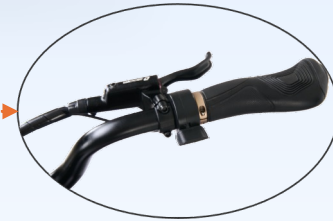
Simple and clutter free Human machine interface



Hartex country Tires compatible for all terrains



Aesthetically designed grips with thumb throttle



Double arm hydraulically locked suspension with preload adjuster..



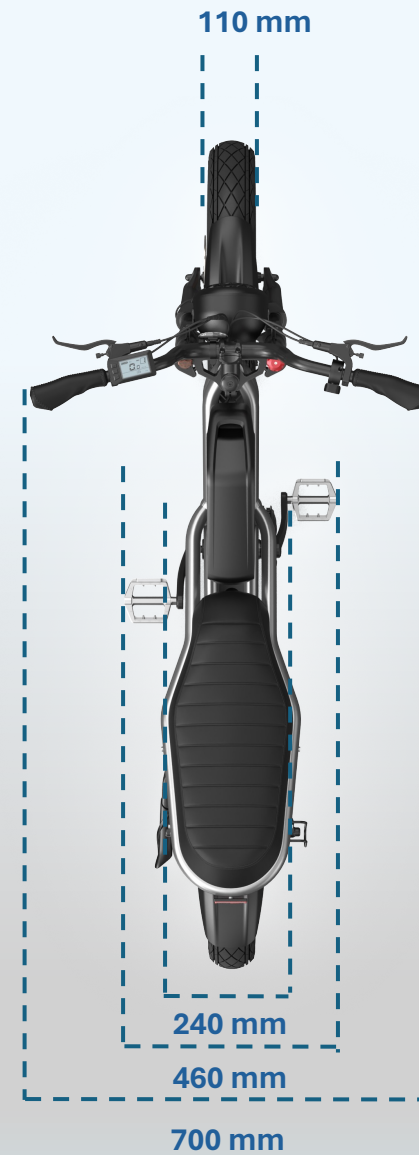
DMT-350-HD
powerful hub drive with 40Nm of torque for a smooth and effortless travel



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



PEDALEZE Ranger- features





Build		
1	Frame system	Aluminum 6061 Aero space VRD frame design
2	Front Rear suspension system	Double shoulder hydraulically locked out suspension with pre load adjuster Single pivot mono shock with pre load adjuster
3	Seat system	Wide molded base, bench type double Poly urethane seat
4	Wheel system	20"x4" all terrain HARTEX Nylon fat tires with tubes slapped on to a single walled powder coated Aluminum rim with 12 gauge Ed coated spokes.
5	Brake system	Front and rear E-bicycle compatible hydraulically activated Disc brakes with 160mm rotor
4	Drive system	52 teeth crank wheel with powder coated crank arm and alloy pedals connected through an E-bicycle compatible high tensile 1/8", 136 link chain to a 16 teeth tin coated Chromium Molly steel Cog wheel
Power train		
	Motor Type	DMT-350-HD Hub Drive with 40 Nm of torque
	Controller type	PEDALEZE smart controller
	HMI	Battery SOC indicator, speedometer, odometer, assist level with key start.
Energy Storage		
	Primary unit	Li-ion battery 25AH
	Secondary unit	Li-ion battery 10AH



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
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- *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.*