



Town & Country DXE



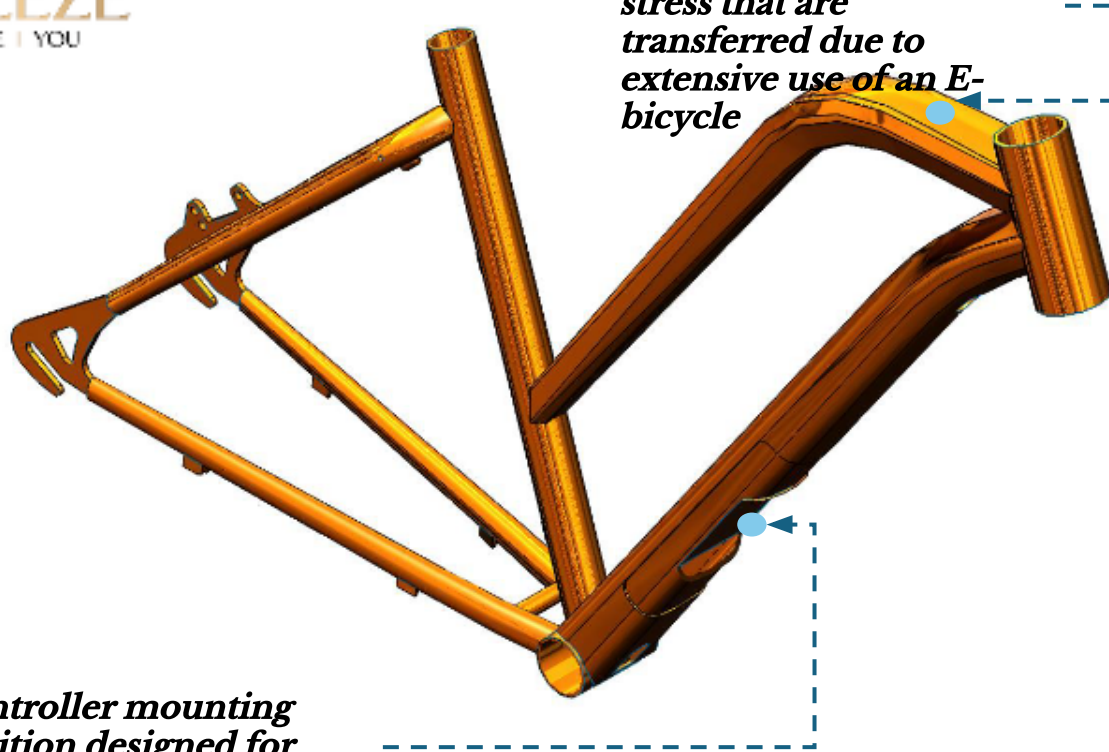


Town & Country-DXE

- *Patented and Ergonomically designed frame*
- *Unisex*
- *Pedaleze Patented Smart controller*
- *Competitive for 9ah battery with AI controller*
- *Throttle range of 35Km and pedal assist range of 45km, sufficient for all hyper local commute needs*



Robust and sturdy design to withstand the stress that are transferred due to extensive use of an E-bicycle



Controller mounting position designed for ease of service.

PATENTED DESIGN
Aesthetically designed keeping in mind the conformities required for qualifying for an E-bicycle frame.



Town and Country- Frame Design



PATENTED SMART CONTROLLER

***An AI based controller that
intelligently understands the
power needs of the respective
rider and provides the same
seamlessly to the wheels***



***Town and Country- Smart Controller
Design***



**9ah battery
35km on throttle
45km on pedal assist**

**Ralsen 27.5"x2.1"
country Tires
compatible for all
terrains**

**DMT-250-HD
powerful hub
drive with 36Nm
of torque for a
smooth and
effortless travel**

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

**Ergonomically
designed
handlebar with an
alloy stem for a
sturdy grip**

**Aesthetically
designed throttle
grip with key start**

**Specially designed
Spring suspension
with a higher spring
constant to absorb
event the severest
road in the
countryside.**

Town and Country features





- **ON DEMAND THROTTLE**

The throttle function on start is disabled as a safety function. To activate throttle function, press the left brake and slowly rotate the throttle to full position and hold for 5 seconds. Then release the throttle first and there after release the brake lever. Switching off the the bike will rest the throttle to home mode ie inactive mode on start.

- **CRUISE MODE**

When the bike senses a moderate speed for a prolonged period will automatically go into CRUISE mode. The cruise mode can be disabled by pressing the brakes.

- **ON BRAKE AUTO ASSIST CUTOFF**

Throttle function and pedal assist function are automatically cut off on braking. On releasing the brakes the throttle function and pedal assist function will be resumed.

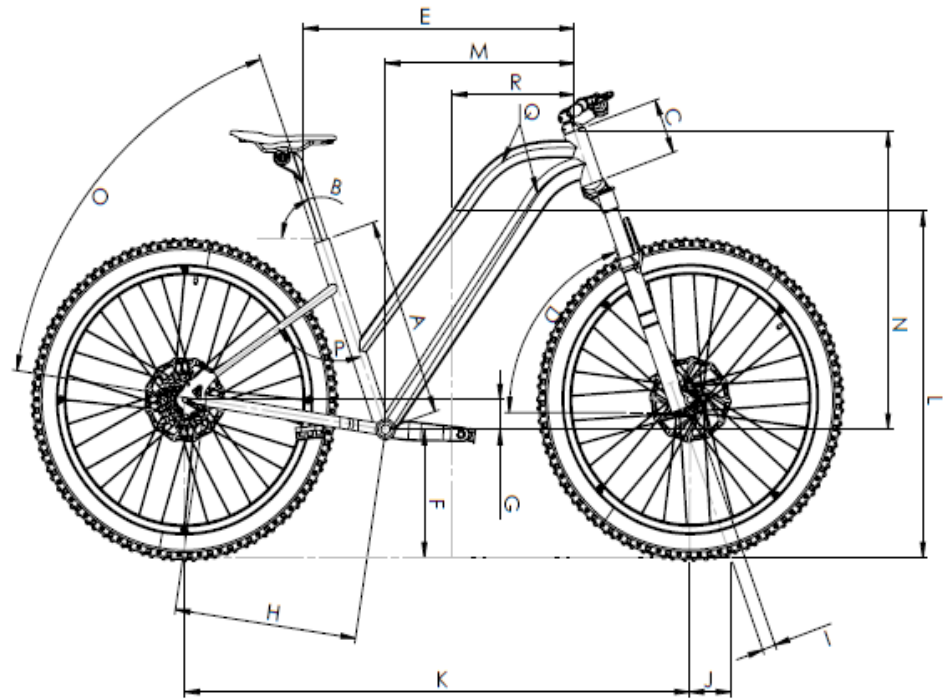
- **LOW BATTERY SAFE MODE**

On battery reaching 30% SOC the controller will automatically shut the accelerator mode and allow for only pedal assist mode till the batteries are charged full.

Town and Country- Special control function

Sr. No	Parameter	Dimensions in mm
	Frame size letter	M
A	Seat tube length	432mm
B	Seat tube angle	72°
C	Head tube length	120mm
D	Head tube angle	70°
E	Effective top tube	615mm
F	Bottom bracket height	297mm
G	Bottom bracket drop	50mm
H	Chain stay length	457mm
I	Offset	35mm
J	Trail	84.5mm
K	Wheelbase	1127mm
L	Stand over	750mm
M	Frame reach	429.8mm
N	Frame stack	644.3mm
O	Seat tube & chain stay angle	66°
P	Seat tube & seat stay	66°
Q	Down tube radius	400mm
R	Seat tube & stand over distance	280mm

CM	FEET
XS	5' 1" — 5' 5"
S	5' 4" — 5' 8"
M	5' 7" — 5' 10"
L	5' 9" — 6' 2"
XL	6' 0" — 6' 4"





Build		
1	Frame system	Steel frame, phosphate coated, and powder coated, or gloss painted with alloy stem and handlebar
2	Front suspension system	Spring or Hydraulically locked suspension with 100mm travel mounted with bearing headset
3	Seat system	Rigid 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 double walled powder coated Aluminum rim with Ed coated spokes.
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 an 18 teeth tin coated cog wheel mounted on the rear wheel.
Power train		
	Motor Type	DMT-250-HD Hub Drive with 36 Nm of torque
	Controller type	PEDALEZE smart controller
	HMI	Battery SOC indicator with throttle and key start.
Energy Storage		
	Battery foot print	Li-ion battery packed into Pedaleze Special containers with 9 Ah capacity



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.***

Town and Country- Warranty