



Amp it up
with Ampere
e-scooters.

Journey of a thousand miles

The steps we took to become what we are today



160 YEARS YOUNG AND GROWING

1859 James Greaves founded James Greaves & Company "A Journey of a 1000 miles starts with a single step"

1868  James Greaves and George Cotton formed Greaves Cotton & Company

1895 Became one of the largest and profitable companies

1922 Became a Private Limited Company

1935 Launched two motor engines for fishing industry

1937 Collaborated with Crompton Parkinson of England and introduced electrical products

1939 New JV Ruston & Hornsby (India) Pvt. Ltd. was formed to manufacture diesel engines

1947  Lala Karamchand Thapar bought the company

1958 Went public; Greaves Cotton & Company Limited was born

1959 Celebrated 100 years

1962 Set up Oilfield Division sourcing latest technology for oil exploration

1963 Pioneered marine gear boxes manufacturing

1970 Mr. Nityanand Wagle, MD, Greaves, received Padma Bhushan award

1975 Marine Division set up with elite customers like: Indian Navy, Mazgaon Dock & ONGC

1976 Partnered with Lombardini Motori; set up a light diesel engines unit in Aurangabad

1980 MWM diesel engines manufactured for marine & gensets applications

1982 Collaborated with Friedrich Wihl Schwing GmbH, Germany for construction equipment manufacturing



1984 Celebrated 125th anniversary 

1986 Formed a new JV; Greaves Morganite Crucible Ltd.

1988 First computer installed at Greaves

1989 Received single largest engines order worth ₹.14 crore from Bangladesh Agriculture Development Corporation

1991 Manufacturing unit set up at Falta to produce DBG industrial and marine gearboxes

1992 Ruston & Hornsby (I) won National Award for R&D efforts

1994 Greaves Garuda 3-Wheeler launched. Two Plants acquired from Enfield India Ltd.

1998 Won Impresa '98 award for strengthening of Indo-Italian business relations

1999 Piaggio Greaves Vehicles Ltd. launched Ape 3-wheeler range for passenger / goods carrier



2000 Lightweight Diesel engine GL 400 launched

2002 Awarded 'Self-Certification Status' by Ministry of Defence

2004 1 millionth lightweight Diesel Engine rolled out

2005 Lightweight Diesel Engine complying with Bharat Stage II launched 

2006 Inaugurated technology centre at Aurangabad

2007 First global acquisition of Bukh-Farymann GmbH Diesel, Germany Inaugurated factory at Aurangabad to produce twin-cylinder engines 

2008 Opened second technology centre and manufacturing facility in Pune. Inaugurated new plant in Gummidipoondi.

2009 Celebrated 150th Anniversary

2010 Acquired Ascot International FZE (UAE)

2013 Established a technology centre for Farm Equipment business

2014 International business division signs strategic exports alliance with KYB - a Japanese JV

2015 Farm Equipment Business launches 'SAMPURNA SWADESHI' programme

2017 Greaves Cotton Limited and Pinnacle Engines Inc. US, announced a technology partnership for the launch of a revolutionary Opposed Piston Petrol / CNG lean burn BSVI-compliant engine for 3-wheelers in India.



2018 Greaves Cotton acquires majority stake in electric vehicle company Ampere

2019 ELECTRIC VEHICLES



Why go Electric?



India is world's largest 2W market with over 2.1 crore vehicles sold per year.

61% of petrol sales is to 2Ws in India!

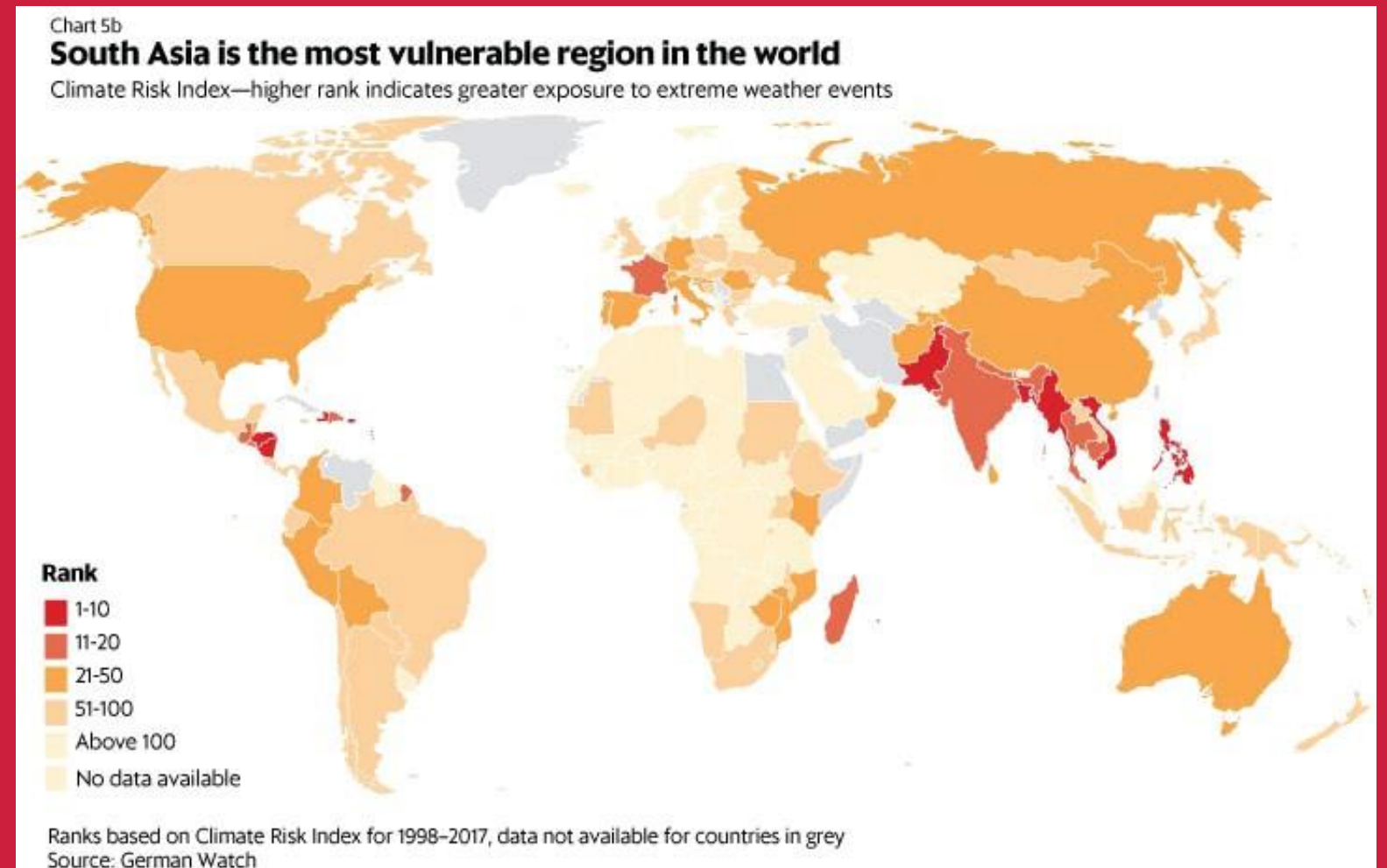
12 lakh Indians die due to air pollution every year!



Why go Electric?

Climate change potentially represents a major threat to the health and socioeconomic stability of youth — particularly in developing countries,

where **80%** of young people live.





BY 2050,

With a projected increased global population of 9.6 billion, we would need the equivalent of almost **3 planets** worth of resources to sustain our way of living, if our current consumption and production patterns remain the same.





Who is our customer?



Early Adopters



Smart Buyers



Rational Thinkers



Saved Economy



Saved Ecology

CHANGEMAKERS



Why buy an Electric Scooter?

ECONOMICAL: You can finally laugh every time there's a petrol price hike.

GREEN: It's time to give Mother Nature a reason to smile.

SIMPLE: All you need to recharge is to plug in.

REACH: Adequate charge for in city commutes.

FAST: Top speed of 55 kmph, it's life in the fast lane.





160 YEARS OF
ENGINEERING

ELECTRIFYING
10 YEARS

38,000
TONS OF CO₂
EMISSION REDUCED

25,000
KILO LTRS OF
PETROL SAVED

50,000+
HAPPY CUSTOMERS

350mn
Kms driven



Our Scooter Series



SERIES

R

M

Z



DESIGN

Ultra-compact
and light

Modern and
minimal

Cool and trendy



**RIDING
EXPERIENCE**

Superlight

Comfortable

Agile

Our Scooter Series



Reo Li

Lithium ion
Battery



Reo

Lead acid
Battery



V48

Lithium ion
Battery

Lead acid
Battery

CHARGING TIME

5-6 HRs

8-10 HRs

5-6 HRs

8-10 HRs

EST. RANGE

60-65 KMs

45-50 KMs

45-50 KMs

60-65 KMs

TOP SPEED

25 KM/H

25 KM/H

25 KM/H

25 KM/H

PAYLOAD

140 KG

140 KG

100 KG

100 KG



Lithium ion Battery

CHARGING TIME	(SWAPPABLE 48V)	(SWAPPABLE 60V)
EST. RANGE	5-6 HRs	5-6 HRs
TOP SPEED	75 KMs	75 KMs
PAYLOAD	55 KM/H	55 KM/H
MOTOR TYPE	130 KG	130 KG
BATTERY VOLTAGE	1200W BLDC	1200W BLDC
BATTERY CAPACITY	60V / 30AH	48V / 50AH
BRAKE	1.8 kWh	1.4 kWh
	DRUM (Front & Rear)	DRUM (Front & Rear)

(SWAPPABLE 48V)

5-6 HRs

75 KMs

55 KM/H

130 KG

1200W BLDC

60V / 30AH

1.8 kWh

DRUM (Front & Rear)

(SWAPPABLE 60V)

5-6 HRs

75 KMs

55 KM/H

130 KG

1200W BLDC

48V / 50AH

1.4 kWh

DRUM (Front & Rear)

Antitheft Alarm | Vehicle Finder | Regenerative Braking System | Combined Braking System | Reverse Drive Function (Optional)



Charge,
anytime,
anywhere.

Technology that
powers Ampere.



MAGNUS 60
Lead Acid Battery

CHARGING TIME	8-10 HRs
EST. RANGE	45-50 KMs
TOP SPEED	25 KM/H
PAYLOAD	140 KG
MOTOR TYPE	BLDC
BATTERY CAPACITY	60V / 24AH

New Features: Magnus Hitech

Anti Roll Feature: avoids rollback at steep gradients



Position Hold: Uphill

Holds E-scooter in position for 5 to 10 secs.

No motion break .

Go up smoothly.

Especially for hilly roads, uneven terrains, flyovers.



Position Hold: Downhill

Hold E-auto in position for 5 to 10 secs.

No Break / Accelerator required.

Go down smoothly.

PULL BRAKE & ACCELERATOR FEATURE: PRESS BRAKE AND ACCELERATOR TOGETHER WITHOUT MOTOR CUTOFF

New Features: Magnus PRO



VDIAGNOSTICS FEATURE SERVICE REMOTELY

Know Health of Your Vehicle
(24 x 7 Data @ 1sec) :

- Battery Charge Status
- Battery Temperature
- Battery Voltage
- Motor Temperature
- Controller Current
- SMS Alerts



RENEW FEATURE: ADDRESSES RANGE ANXIETY

Addresses Range Anxiety:
If Stranded on Road - Press
Renew - On Mobile or on
vehicle and go for another 10
Kms

MCONNECT

Get Connected

Charge vehicle remotely

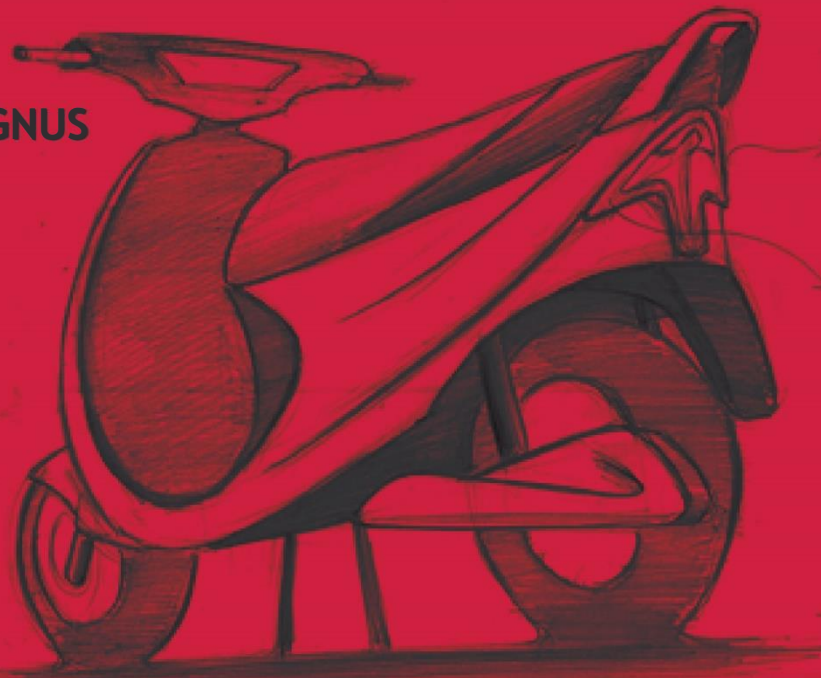
Use Geo fencing - know how
much you can travel on a given
SOC. Get Alerts.



350+ Greaves Retail Outlets
including 170+ Ampere outlets
across 227 cities

Design Inspired by You

MAGNUS



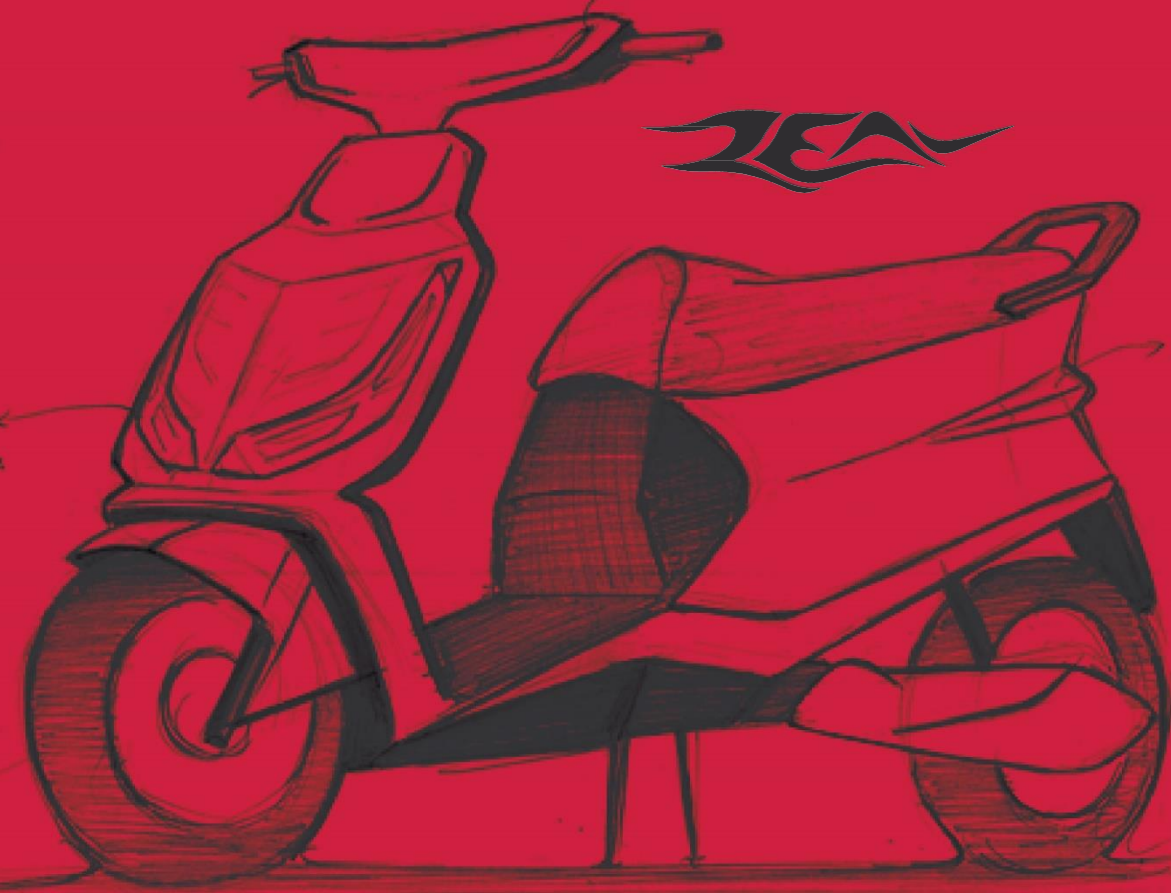
Signifies an
arrow pointing
upwards
Signifies 'Rise'
indicator lamps

Zeal (front quarter)

turn
head lamps

disc to put indicator lamps

protruding
element



Trendy Design | Stylish Aesthetics | Powerful Performance

Comfortable Drive | Super Ergonomics



HOLA!

Happy Owners League of Ampere

What do you get as a HOLA member?

Access to special edition models

Special access to exclusive HOLA merchandize

Community drives for HOLA members

Access to exclusive Product launch events





Jackets



Sipper with BT Speaker



Coffee Mugs



Consumer Panels & Polls

Privileged meets

Refer a Friend

They become a proud owner of Ampere Vehicle

You win attractive discount on next purchase of Ampere

Industrial Vehicles



MITRA



CHARGING TIME	10-12 ^{HRs}
RANGE PER CHARGE	70 ^{KMs}
SPEED	25 ^{KM/H}
PAYLOAD	250/400 ^{KG}
BATTERY CAPACITY	60v/150 ^{Ah}
MOTOR CAPACITY	1280 ^w
MOTOR TYPE	BLDC
BATTERY TYPE	SEALED LEAD ACID
CHARGER RATING	60v 12/ 15 ^A
KERB WEIGHT IN KG	430
LENGTH (MM) X WIDTH (MM) X HEIGHT (MM)	3506x1093x1499
WHEEL BASE (MM)	2175
BATTERY LIFE (NO OF CYCLES)	300
REVERSE OPTION	YES



Trishul

MOTOR TYPE	BLDC
POWER	250 _w
BRAKE	BRAKE DRUM
KERB WEIGHT	47 _{KGs}
TOP SPEED	10 _{KM/H}
BATTERY VOLTAGE	36v, 12/14 _{Ah}
BATTERY CAPACITY	432 _{Wh}
RANGE/FE	30-40 _{KMs}
WHEEL BASE	775 _{mm}
CHARGE TIME	8 - 10 _{HRS}



Trishul

with swappable
battery (optional)

MOTOR TYPE	BLDC
POWER	250 _w
BRAKE	BRAKE DRUM
KERB WEIGHT	47 _{KGs}
TOP SPEED	10 _{KM/H}
BATTERY VOLTAGE	36v, 12/14 _{Ah}
BATTERY CAPACITY	432 _{Wh}
RANGE/FE	30-40 _{KMs}
WHEEL BASE	775 _{mm}
CHARGE TIME	8 - 10 _{HRS}

Trigo - Li



MOTOR TYPE	BLDC
POWER	1200 w
BRAKE	BRAKE DRUM - FRONT & REAR
KERB WEIGHT	320 KGs
LOADING CAPACITY	400 KGs
BATTERY VOLTAGE	60v, 105Ah (Li-ion)
BATTERY CAPACITY	6.83 kWh
RANGE/FE	90 KMs
TOP SPEED	25 KM/H
CHARGE TIME	12 HRS

ET-500



MAX SPEED	5-8 KM/H
MAX LOADING CAPACITY	500 KG
MOTOR POWER	800 W
CHARGER	24V, 5A
WEIGHT (BATTERY)	36 KG
WEIGHT (VEHICLE)	120 KG
BATTERY TYPE	Maintenance Free Sealed LA Battery
BATTERY CAPACITY	24V, 42Ah/50Ah
BATTERY LIFE (NO. OF CYCLES)	350* @ 25deg , 100% DOD
CHARGE TIME	10-12 hrs
RUN DISTANCE / CHARGE	15 km
REVERSE OPTION	Available
STEEPEST GRADIENT	12 deg
CONTROLLER	Curtis - PMDC Controller
LOADING PLATFORM DIMENSIONS(LXW) (MM)	1200x650
VEHICLE DIMENSIONS (LXWXH) MM	1200x700x1000
RUNNING TERRAIN	Cement/Tiles



Trigo - LA

MOTOR TYPE	BLDC
POWER	1200 _w
BRAKE	BRAKE DRUM - FRONT & REAR
KERB WEIGHT	440 _{KGs}
LOADING CAPACITY	300 _{KGs}
BATTERY VOLTAGE	60 _v , 90 _{Ah} (FLA)
BATTERY CAPACITY	5.4 _{kWh}
RANGE/FE	80 _{KMs}
TOP SPEED	25 _{KM/H}
CHARGE TIME	12 _{HRS}

Zeal with Big Basket



MAX SPEED	45-50 Km/hr
MAX LOADING CAPACITY	TWO ADULTS
MOTOR POWER	1200 w
CHARGER	60v, 7.5A Li
CHARGE TIME	5-6 Hrs
BATTERY	60v, 30Ah Advanced Lithium Battery
RANGE	80-90 Km
GRADIENT	Max . 10 deg
CONTROLLER	BLDC Vector Sine Wave
BRAKE	Mechanical Drum - 130mm CBS
FORK	Front-Telescopic / Rear-Coil Spring
TYRE	3.00-10 4PR
WHEEL	2.15JX10
GROUND CLEARANCE	145 mm
KERB WEIGHT	78 kg
WHEEL BASE	1235 mm
DIMENSIONS(LXWXH) MM	1720x670x1115
WEIGHT OF THE BOX	8 Kg



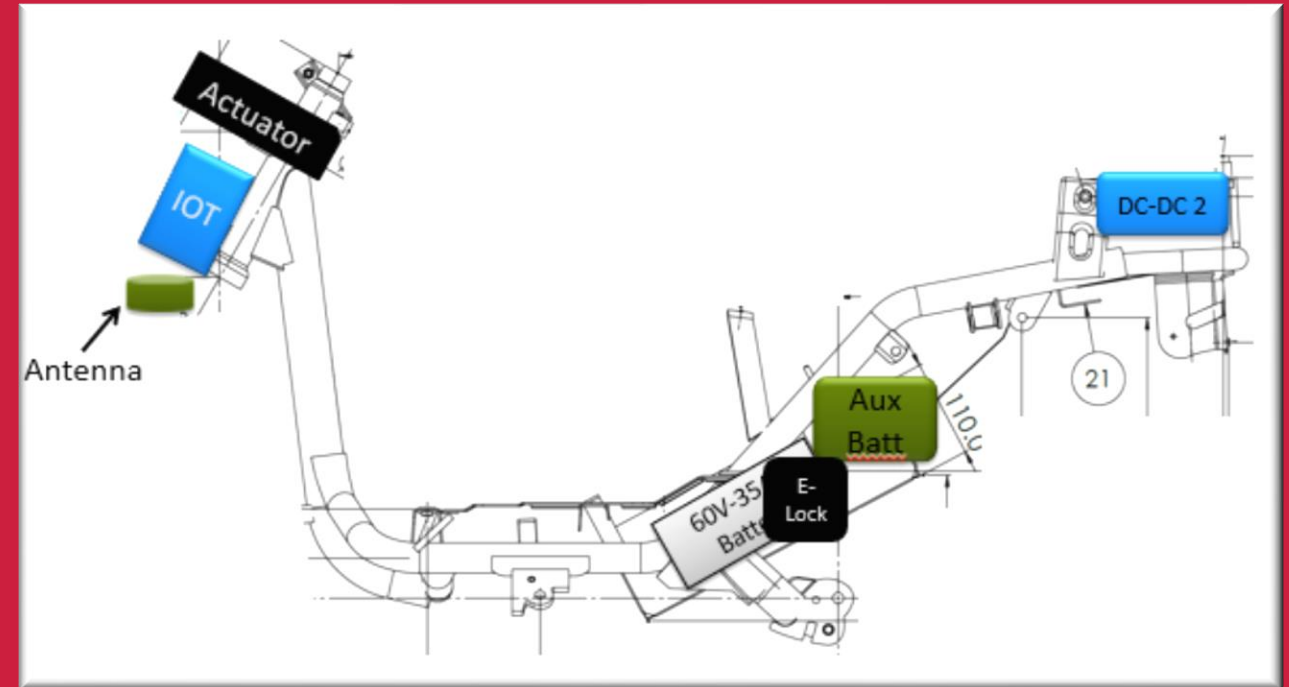
Zeal with Bounce



MAX SPEED	45-50 Km/hr
MAX LOADING CAPACITY	TWO ADULTS
MOTOR POWER	1200 w
CHARGE TIME	5-6 Hrs
BATTERY	60V, 35Ah Advanced Lithium Battery
RANGE	80-90 Km
GRADIENT	Max . 10 deg
CONTROLLER	BLDC Vector Sine Wave
BRAKE	Mechanical Drum - 130mm CBS
FORK	Front-Telescopic / Rear-Coil Spring
TYRE	3.00-10 4PR
WHEEL	2.15JX10
GROUND CLEARANCE	145 mm
KERB WEIGHT	85 kg
WHEEL BASE	1235 mm
DIMENSIONS(LXWXH) MM	1720x670x1115

Zeal Customisations for Bounce

1. Change in the vehicle frame (Chassis) design to integrate
Aux battery mounting,
Battery Compartment Lock
Smart Battery lock
Seat Latch improvement
2. Battery Charge Status through mobile app
3. Easy Plug in to Charge with Exicom battery
4. OTP Lock & Unlock
5. Bounce IoT device Integrated & Keyless pad
6. Stabilized vehicle dynamics for rides.
7. 12V Battery (Auxiliary) for powering Bounce IoT device.





Thank you
#GoElectric #GoAmpere