

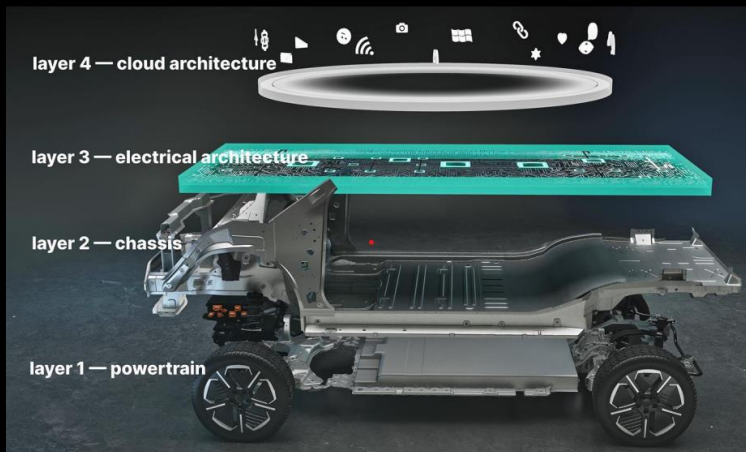


Punch EV: Gear Up for Life Beyond, Powered by **acti.ev**

Punch EV, a pioneering vehicle built on its revolutionary architecture **acti.ev**. India's first advanced Pure EV architecture – **acti.ev** (pronounced as active). **acti.ev** stands for (**A**dvanced **C**onected **T**ech-**I**ntelligent **E**lectric **V**ehicle) and will underpin future products from the TPEM portfolio. Punch.ev is the first product based on this Pure Electric Architecture.

The acti.ev architecture is based on the key pillars of **Performance, Technology, Modularity, and Space Efficiency** and consists of four layers:

Acti.EV – Multi-layer Pure Electric Vehicle Architecture



- Designed for Class leading efficiency, Superior Range, exhilarating performance and Best in segment interior package
- Future-facing electrical architecture that enables implementation of software oriented features
- New architecture will underpin all future TPEM products
- Designed and Made in India

Punch.ev is crafted as versatile, feature rich package offering features from 2-3 segments above:











- 360° Camera surround view system
- Blind Spot View monitor
- Frunk
- Electronic Parking brake with Autohold
- Arcade.ev app suite with 17 apps and many more to come
- 26 cm HD infotainment by HARMAN
- 26cm Digital cockpit with embedded navigation view
- OTA Updates
- Paddle Shifters
- Smart Digital Steering Wheel
- Phygital Touch Panel
- Ventilated front Seats

- Plush Leatherette Seats
- Auto-dimming IRVM
- Wireless Smartphone charger
- Air purifier with AQI Display
- Smart Charging Indicator
- Smart Digital Welcome and Goodbye Sequence
- Multiple Voice Assistants ("Hey Tata", Siri, Alexa, Google Assistant)
- 200+ Voice commands in 6 languages
- Range -- 421** km (ARAI Certified)
- 6 Airbags, ESP, ISOFIX as standard
- LED headlamps and DRLs as standard

Beyond Design

1. Digital Design
2. Smart Digital Lights
 - Centre Position Lamp
 - Welcome & Goodbye Sequence
 - Smart Charging Indicator
 - LED Projector Headlamps
 - Sequential front turn indicators
 - LED DRLs
 - LED Fog Lamps with cornering Function
3. 2-Spoke Steering Wheel with an illuminated logo
4. Paddle Shifters
5. Phygital Touch Panel
6. R16 Diamond Cut Alloy Wheels

Color Options:

	EMPOWERED OXIDE	SEAWEED	FEARLESS RED	DAYTONA GREY	PRISTINE WHITE
Empowered (Dual tone)					
Adventure (Single Tone or Dual Tone depending on persona pack)					
Smart (Single tone)					

Beyond Comfort & convenience

1. Plush Leatherette Ultra Comfort Seats
2. Frunk
3. Ventilated Front Seats
4. Air Purifier with AQI display
5. Voice Assisted Electric Sunroof
6. Jeweled Control Knob
7. USB type C Fast Charging port (45W)
8. Grand Centre Console with Front Armrest
9. Illuminated Cooled Glove box
10. Rear Centre Arm Rest

Beyond Performance

Specifications	Punch.ev	Punch.ev LR
Electric motor power (kW)	60	90
Electric motor torque (Nm)	114	190
Battery pack (kWh)	25	35
Thermal management system	Liquid cooled	
Ingress protection for motor & battery pack	IP67	
Acceleration (0-100 km/h in sec)	13.5 [^]	9.5 [^]
Certified full charge range (as per MIDC Cycle) (km)	315 ^{**}	421 ^{**}

- Multi-Mode Regen with Paddle Shifters - Regenerative braking converts the available kinetic energy during deceleration or braking of vehicle to electrical energy which can charge the High Voltage battery of your EV. Multi-Mode Regen gives you the choice set regenerative braking levels depending upon the driving conditions or their driving style.

In Punch.ev one can choose the levels of regen through paddle shifters; this results in overall improvement in the efficiency & range.

Recommendation for selecting Regen Braking Levels:

Level 3: Maximum Regeneration: Heavy or Stop & Go City Traffic, downhill

Level 2: Intermediate Regeneration: Moderate City Traffic

Level 1: Minimum Regeneration: Default Regen Level for City drives

Level Off: No Regeneration: Coasting on highways

- Different Drive Mode combinations – Punch.ev comes with 3 drive modes- Eco, City & Sport (Only in Long Range personas). Each drive mode has 4 levels of regeneration levels thereby giving 12 driving mode options. Experience the exhilarating power of Punch.ev in Sport Mode. 190 Nm of Instant torque at tap of the accelerator pedal. 0 to 100 km/h in 9.5[^]Sec.
- High Ground Clearance of 190 mm and Command Driving Position
- Multiple charging options - Punch.ev offers convenience of 4 charging options
 - At Home:
 - AC Home Wall Box Charger (Punch.ev 9.4* hrs. Punch.ev LR 13.5* hrs. - SOC 10 to 100%)
 - 7.2kW AC home Wall box charger (Punch.ev 3.6* hrs. Punch.ev LR 5* hrs.- SOC 10 to 100%)
 - On the go:
 - From any 15 A plug point (Punch.ev 9.4* hrs. Punch.ev LR 13.5* hrs. - SOC 10 to 100%)
 - DC Fast Charger (Punch.ev/Punch.ev LR- 56* Minutes for SOC 10 to 80%)

Beyond Technology

1. 26.03 cm (10.25") Infotainment by HARMAN™
2. OTA updates : Over the air updates
3. 26 cm (10") Digital Cockpit fully reconfigurable with Multi view
4. Embedded Navigation view in Cockpit
5. Multiple Voice assistants support -Alexa, Siri, Google Assistant, "Hey Tata"
6. 200+ Voice commands in 6 languages
7. Wireless Smartphone Charger
8. Wireless Android Auto™ and Apple Car Play™
9. Electronic Parking Brake with Auto hold (Only in Long Range)
10. Auto Dimming IRVM
11. Rain Sensing Wiper
12. Auto Headlamps
13. Arcade.ev~:

- India's First EV Infotainment App suite: Highlight the exclusivity of being the first to introduce such a feature in the Indian EV market, as well as within the segment, providing an innovative and futuristic travel experience.
- Unparalleled Convenience and Entertainment:
 - With Arcade.ev~, drivers and passengers have instant access to a diverse range of apps right from the infotainment system. (17 and many more to come)
 - Enjoy seamless entertainment options including music, podcasts, FM radio, OTT content, and more during the journey.
 - List of Apps:

Category	Applications
Browse	Jio Pages
Games	BB Racing
	Jio Games
Media	DASH Radio
	Gaana
	Jio Saavn
	Pocketcasts
	Radioline
	Treble FM
	TuneIn Radio
Video	Disney+Hotstar
	Eros Now
	Amazon Prime Video
	ESPN
	YouTube
	YouTube kids
Weather	Accuweather

14. ZConnect^{###} Connected Car Tech: is standard across all variants of Punch.ev.

Some of the cool features offered by ZConnect^{###} are:

- **Driving Score Analytics**- Know your driving score. Helps improve your driving style to maximize the efficiency and range
- **Car Location Tracking**- Track your car, share location of your car at regular intervals, Navigate to your car location
- Share your Location from your infotainment screen
- **Locate Charging/Service Station**- helps find out nearest chargers, identify chargers along the drive route
- **Real Time Charge Status**: know charge on your vehicle, set charge limit
- **Remote Operations**: Lock/Unlock, Lights On/Off, Remote Horn, AC On/Off, pre-cool the cabin
- **Geo/Time Fencing, Valet Mode**: set a drive/time limit on vehicle. Receive notifications whenever vehicle crosses the set limit
- **Remote Diagnostics**: remotely know Daily/monthly health status of your vehicle
- **Alerts**:
 - Seat belt alert – In case if seat belt is not buckled. User will get an alert under bell Icon
 - Door open alert – In case Door remains open even after locking the vehicle.
 - Route deviation alert – In case if the user is deviated from the set route or trip
 - 12V Battery Charging Alert – If low voltage battery is low
 - Charging notification - Battery charging recommendation alerts
- Abrupt charge cut off - If charging session stops below 98% SOC

15. Smartwatch^{^^} Connectivity: Access key remote commands & notifications on your smart watch.

- Lock/Unlock, Lights on Off, Remote Horn, AC On/Off, Pre cool the cabin.

Beyond Safety

1. 6 Airbags as Standard
2. ESP – offered as Standard
3. ISOFIX – offered as Standard
4. SOS Call Function^{####} (Emergency Call / Breakdown Call)
5. Rear Parking Sensors
6. 360° Camera Surround View System
7. Blind Spot View Monitor
8. IP67 rated Battery Pack and Motor
9. Hill hold Control
10. Hill Descent control
11. Electronic Parking Brake
12. Auto Hold
13. All 4 Disc Brakes & Brake Disc Wiping
14. Warranty:
 - Battery pack and motor warranty: 8 Year or 1,60,000 km (whichever is earlier)
 - Vehicle warranty: 3 Year or 1,25,000 km (whichever is earlier)

Disclaimers:

*Under test ambient conditions

[^]As per internal testing data, under test ambient temperature conditions

[~]As per ARAI (under standard testing conditions), actual performance figures may vary depending on various conditions including driving pattern, etc.

^{^^}Smart watch is not part of vehicle accessories

^{##}Customers will be able to utilize ZConnect services for one year from the date of activation. Post completion of one year, customers can subscribe ZConnect by paying subscription fees

[~]Linked with active ZConnect login

^{####}Available in select cities

Standard Disclaimer - Accessories/features shown may not be part of the standard fitment. The specification above are subject to change. Some of the equipments illustrated or described above may not be supplied as standard equipment and may be available at extra cost. Tata Passenger Electric Mobility reserves the right to change specification & equipments of any product without prior notice. Please consult your nearby dealer for full information and availability on colours and trim.