

# The Jaguar I-PACE

Every Jaguar feels like no other car on the road. Moving to all-electric power doesn't change this. It offers even more opportunities to shape the dynamic performance and dramatic design for which we're renowned. The Jaguar I-PACE is a pure Battery Electric Vehicle (BEV) built from the ground up to embrace these new possibilities.

Radical design conceals an exquisite interior with SUV levels of practicality. A sophisticated, all-electric powertrain provides high performance with zero tailpipe emissions. Its cutting-edge technologies work seamlessly with the car and with you. Thrilling to look at and drive, easy to live with, and connected like never before – the I-PACE is our smartest five-seater sports car.

## The Electric Benefits Of The I-PACE

"We've created the I-PACE to represent the next generation of Battery Electric Vehicle design. It's radical, dramatic, and future-facing – the product of authentic Jaguar DNA matched with beautiful, premium details and British craftsmanship."

### Electrifying Performance

The linear acceleration of the I-PACE is instantaneous, with no lag and no gearshift interruptions. Its 394 horsepower of peak power takes you from 0-60 mph in only 4.5 seconds. For sports car agility, the 90kWh battery is positioned within the floor, between the axles, giving a low center of gravity and outstanding mass distribution.

### Quiet Interior Refinement

Electric power is naturally quiet – at low speeds an electrical acoustic sound is emitted. Yet we've still gone to great lengths to make the I-PACE an oasis of calm. Sophisticated motor encapsulation dampens sound while the radical design has been engineered to minimize wind noise. The intrusion of exterior noise is further reduced by acoustic lamination on the front windows.

### Peace Of Mind

For added peace of mind, the 90kWh battery is covered by a comprehensive 8 year warranty<sup>1</sup> in addition to your standard Jaguar warranty. What's more, you'll always have the full support of our established Jaguar Retailer network and highly-trained technicians who know your Jaguar inside and out.

## Clever Use Of Space

The I-PACE uses axle-mounted electric motors and concentric single speed transmissions. This creates considerable room within the cabin, giving the I-PACE a compact footprint from the outside but space within.

## Ease Of Use

Clean, convenient, hassle-free – that's the future of car ownership. Visits to the gas station will be a thing of the past – the battery can be charged from a conventional socket, a wall box or at a public charging station. So instead of taking time out to recharge, you simply get on with the things you want to do. See page 18 for details.

## Low Cost Of Ownership

Owning the I-PACE means that you may be eligible to benefit from incentives. Additionally, fewer moving parts can help to reduce servicing and maintenance costs.

## Range

A single full charge provides a range up to 234 miles<sup>2</sup> – more than enough to cover the average weekly commute of 150 miles.

## Front And Rear Motors

Instead of an engine to drive the front and rear wheels, the I-PACE has two efficient and compact Permanent Magnet Synchronous Electric Motors. Independently, each motor can deliver 197 horsepower and torque of 256 pound-foot, for a total output of 394 horsepower and 512 pound-foot (torque), as well as high-performance All Wheel Drive (AWD).

## Battery

The 90kWh battery has high energy density lithium-ion pouch cells to store the car's energy.

## Charging Socket

A charge point is conveniently located on the driver's side front wheel arch. Just plug in and charge.

## On-Board Charger

Electricity can be supplied to the car in AC or DC format. To charge the car, the I-PACE on-board charger converts the electricity to DC.

## Inverter

The I-PACE inverter takes the direct current (DC) stored in the battery package and turns it into the alternating current (AC) that feeds the motors.

## Introducing The Jaguar I-PACE

### Jaguar Dynamics

The driving experience reflects its dynamic design. Using the proven Jaguar setup of a double wishbone suspension at the front and Integral Link suspension at the rear, this is a true driver's car. Engaging and rewarding handling is balanced with exceptional ride comfort and refinement.

### Electric Powertrain

The Jaguar I-TYPE Formula E racing car and I-PACE both use Permanent Magnet Synchronous Electric Motors and lithium-ion pouch battery cell technology. These motors are small, compact and efficient, which helps to optimize performance and range.

### Always Connected

Jaguar InControl® technologies seamlessly connect you to your car and the outside world. There's Connect Pro with Smart Settings to learn your preferences, and Pro Services – perfect for finding charging stations on the go. Smartphone Package makes it easy to use selective apps on the Touchscreen\*, while Remote lets you interact with your car from your smartphone.

### Integrated Technology

At the heart of the I-PACE is a 'floating' center console containing our latest infotainment system. Our Touch Pro Duo infotainment system makes controlling all the car's features, and your connected devices, incredibly simple. It comprises a 10" Touchscreen integrated into the dashboard and a lower 5" Touchscreen with multi-function dynamic dials\*. In front of the driver is a high-definition Interactive Driver Display. 4G Wi-Fi Hotspot capability is standard, as is our powerful navigation system with range-maximizing route recommendations.

### Interior Craftsmanship And Space

An electric architecture has allowed our designers to combine luxury craftsmanship with generous amounts of interior space and storage. The absence of a conventional transmission brings an opportunity for a 0.43 cu.ft. storage bin beneath the center armrest. No conventional gearbox means there is storage within the 'floating' center console perfect for phones and keys. Completing the I-PACE carrying capacity, the rear cargo space is a substantial 25.3 cu.ft. with the under hood front storage compartment providing an additional 0.95 cu.ft.

## Exterior Drama

The radical sweeping cab-forward profile, dramatic hood scoop and Jaguar signature rear haunches are far more than striking design elements. They form integral parts of the car's aerodynamics and help deliver a low drag coefficient to improve range.

## Design

### Exterior

The revolutionary design of the I-PACE is both true to the spirit of Jaguar and the I-PACE Concept. From the pronounced front wheel arches to the rear diffuser, every supercar-inspired styling element allows the I-PACE to slice cleanly through the air for improved range and stability. The bold grille curves inwards – reducing drag by channeling air through the hood scoop and out, where it passes over a roofline that is curved for optimum efficiency.

Ensuring that airflow passes smoothly around the entire exterior, integrated deployable door handles sit flush with the car's sides. Giving a distinctive on-road presence, the slim futuristic LED headlights feature our optional signature double 'J' blade graphic. The sleek tail lights are also LED.

### Interior

The I-PACE reimagines the classic Jaguar balance of sports car focus and luxury craftsmanship for the digital age. Electric architecture defines the five-seater cabin's character. The cab-forward design means the front seats are placed further forward. This creates more space between the front and rear seats, giving rear seat passengers added legroom and knee room. Driver and front passenger feel an immediate sense of engagement with the car thanks to form-fitting sport seats. Deepening the sense of driver focus, the instrument panel is low, with minimalist lines wrapped in soft leather. Throughout the spacious interior, beautiful, handcrafted touches reaffirm the cabin's luxurious atmosphere. Rich, solid finishers surround you and fine contrast twin-needle stitching adds tailored sophistication.

Whatever combination of materials you choose, their modern feel will complement the stylish, uncluttered environment. To complete the interior is the full length panoramic glass roof, which as a result of its tint and infrared absorbing laminate construction, prevents strong sunlight, UV light and heat from entering the cabin. As well as flooding the interior with natural light, the panoramic glass roof maintains comfortable cabin temperatures in hot, sunny conditions and keeps the cabin warm in cold climates. At night, Ambient Interior Lighting accentuates the exquisite details.

The cabin is a sanctuary from the outside world. For outstanding refinement, a sophisticated motor encapsulation dampens sound while the sharp exterior design minimizes wind noise. To enhance your sense of wellbeing, the I-PACE offers an optional Cabin Air Ionization

system. This technology ionizes particles in the air, making them attract to surfaces and thus helping to cleanse the air. It can be switched on or off. So everyone is comfortable the moment they step inside, you can pre-heat or pre-cool the cabin through the Touch Pro™ Duo system or via your Jaguar Remote smartphone app.

## Performance Technology

The I-PACE is underpinned by an advanced Electric Vehicle architecture created specifically for this car that delivers excellent driving dynamics while minimizing mass. These foundations are paired with a suspension setup proven on F-PACE, XE and XF. The double wishbone suspension at the front and Integral Link suspension at the rear have been tuned to give the I-PACE the perfect balance of dynamic handling and refinement.

## Powertrain

Under the skin, the I-PACE is radically different from an internal combustion-engined car. Instead of a gas or diesel engine, it features two extremely lightweight and compact Synchronous Permanent Magnet Electric Motors. They were developed by Jaguar engineers to take advantage of the knowledge experienced and collected from the I-TYPE Formula E racing car.

To deliver maximum power in the smallest possible footprint, the two Synchronous Permanent Magnet Electric Motors are axle-mounted and use concentric single speed transmissions. The motors are positioned lower in the vehicle, contributing to the low center of gravity and enhancing the control, handling and agility of the I-PACE. It also enables the combination of a spacious cabin with a 25.3 cu.ft. luggage compartment.

Transforming the driving experience, the electric motors are quieter and create fewer vibrations than conventional internal combustion engines – with none of the interruptions normally associated with gear changes. For electrifying performance, the I-PACE delivers up to 512 lb-ft of torque with maximum torque available from zero rpm.

Positioned as low down as possible and right between the axles, the 90kWh battery is constructed of high energy density lithium-ion pouch cells. It's designed for longevity and supports protracted periods of sustained maximum power. The I-PACE constantly maintains the ideal temperature for its battery using state-of-the-art thermal management systems. For your peace of mind, the I-PACE 90kWh battery comes with an 8 year or 100,000 miles warranty.

## Torque Vectoring By Braking

Torque Vectoring by Braking can help deliver controlled, responsive cornering by reducing near-limit understeer through controlled braking of the inside wheels.

## All Wheel Drive

The electric All Wheel Drive (AWD) system features two independently controlled motors, one on the front axle and one on the rear. This means that no complex mechanical connection is required between the two axles to deliver AWD capability. The system uses sensors to continually monitor driver inputs and available traction, calculating the optimum torque delivery at all four wheels to enhance available grip.

## All Surface Progress Control

All Surface Progress Control (ASPC) is a state-of-the-art system that can provide assistance in setting and maintaining a steady speed in challenging conditions such as slippery surfaces, including mud, wet grass, snow and dirt roads. Operating like a conventional cruise control system, it functions between 2 mph and 18 mph, enabling you to concentrate on the road ahead.

## Adaptive Surface Response

Available Adaptive Surface Response (AdSR) recognizes differences between surfaces to exploit the optimal available grip. Drawing on Jaguar Land Rover's unrivalled expertise with All Wheel Drive systems, AdSR constantly monitors the car's environment and adjusts the appropriate motor and brake settings. Once selected, AdSR works at all speeds to support you in adverse weather and across challenging surfaces.

## Low Traction Launch

For optimum torque control when you move from a standstill, select Low Traction Launch on the Touchscreen. This system can help enhance capability in slippery conditions like wet grass and snow. It remains active until the car reaches 18 mph, then the I-PACE seamlessly blends back into the selected driver mode.

## Dynamic Mode And Configurable Dynamics

Engaging Dynamic Mode amplifies the sporting character of the I-PACE. Throttle response is sharpened, the dampers are stiffened and steering weighting is increased. The I-PACE Interactive Driver Display and Configurable Ambient Interior Lighting instantly take on a red glow.

The Configurable Dynamics system allows you to personalize the I-PACE Dynamic Mode. Via the Touchscreen, driving characteristics can be changed to Dynamic or left as normal. So whatever combination of throttle sensitivity, steering weighting or damper stiffness you want, Configurable Dynamics allows you to set up Dynamic Mode to suit your driving needs.

## Active Suspension With Adaptive Dynamics

The optional Active Air Suspension automatically lowers the car by 0.4 inches when travelling at speeds in excess of 65 mph\*\* over extended periods of time, when certain

conditions are met. Reducing the space between the car and the road improves aerodynamic performance and therefore optimizes range.

The Adaptive Dynamics system optimizes ride comfort and dynamic body control using continuously variable damping technology. The system monitors multiple sensors that analyze vertical wheel positions, vehicle acceleration, steering inputs, as well as throttle and brake pedal activity to adjust the suspension damping settings. This provides the optimum balance between comfort, refinement and agility.

## Electronic Air Suspension

The I-PACE standard Electronic Air Suspension can be lowered or raised at the touch of a button. If improved ground clearance is required, it is possible to raise the suspension up to 9.1 inches. Alternatively, for ease of access the suspension can be lowered. This ensures that I-PACE is prepared for any eventuality.

## Charging

Charging the I-PACE is convenient. This means you can top up the battery whenever you wish, to ensure your car is ready for when you need it. You can charge the car in the rain, or even when parked in snow as the charging system is entirely self-contained. The battery charge connector is conveniently and discreetly located on the front wheel arch, while the charge port allows access to all common international charging standards. The Timed Charging feature allows you to set specific charging times via the Touchscreen or via your Jaguar smartphone app. This lets you take advantage of off-peak electricity rates.

## Public Charging

On longer journeys you may need a quick top up of your battery's charge to complete your trip. DC rapid chargers are the best way to deliver this – a typical 50kW charge can provide up to 80% charge in less than an hour and a half. As the public charging infrastructure improves, the I-PACE is equipped to accept up to a 100kW DC charge rate. This means you can easily add up to 80% charge in less than an hour. Depending upon the service provider, public AC chargers can have a variety of outputs. You can also find convenient charging points at places you may want to stay for several hours – or even overnight – including local shopping centers, hotels and gyms.

## Home Charging

Charging the battery at home couldn't be easier. For optimum charging, you can install a recommended Jaguar wall box<sup>2</sup>. The I-PACE is equipped with a 7kW single phase AC on-board charger, which can fully recharge the vehicle overnight. To ensure that you are always able to charge your I-PACE, the vehicle also comes with a Home Charging Cable, as standard, that is used with a domestic socket. When using a domestic socket, charging rates are slower than a wall box. Charging information can be accessed by your InControl Remote App.

# Infotainment

Delivering a wealth of information and entertainment, every I-PACE is equipped with our Jaguar InControl® infotainment system, Touch Pro Duo. It features intuitive and advanced integrated technologies to ensure everyone can make the most of their journey.

## Touch Pro Duo

The standard 10" and 5" dual high definition Touchscreens allow the user to view required information while simultaneously being able to interact with additional features, for increased flexibility and efficiency of use. For instance, you can use the navigation system in the upper screen while adjusting multimedia settings on the lower. Direct access to cabin and seat temperature controls are also available via the multi-function dynamic dials. For a truly elegant and streamlined appearance, the steering wheel also has hidden-until-lit, touch sensitive switches as standard. One of these switches is programmable, so that it can be personalised to your preferences to accomplish a host of functions.

## Interactive Driver Display

The high-definition Interactive Driver Display can receive and project a vast amount of driving information, entertainment and driver assistance data including navigation, phone and media. Its high resolution ensures the utmost clarity and its refined processing engine delivers smooth moving pin sharp graphics. To help you find your way more easily, Navigation Pro enables you to display full screen navigation with 3D mapping (where available).

## Head-Up Display

Minimizing distractions and the need to take your eyes off the road, Head-up Display is an option that presents key vehicle data such as your speed, gear position and navigation directions on the windshield. It features crystal clear full-color graphics in high resolution, enabling you to see all driver inputs and information with ease. It can display important information from Touch Pro, including phone and media information such as the name of the track you might be listening to. The feature can be turned on and off depending on driver preference.

## Meridian™ Audio Excellence

As Jaguar's audio partner, Meridian have introduced technologies which help ensure that I-PACE is a superb space in which to experience sound. Digital Signal Processing delivers performance that would otherwise require significantly larger speakers, while Cabin Correction tailors the sound to the vehicle's precise acoustics. Digital Dither Shaping preserves performance details to evoke the emotions of the original recording. Exclusive to Meridian, Trifield™ produces a consistent, concert-like experience for all occupants. I-PACE offers the 380 watts, 11 speaker Meridian Sound System as standard. The 825 watts, 15 speaker Meridian Surround Sound System is available as an option.



# Efficient Technologies

## Flow Enhanced Design

The flow-enhanced design of the I-PACE maximizes aerodynamic efficiency and range. At the front, the top of the I-PACE grille curves inwards – enhancing aerodynamics by drawing air through the hood scoop. The slender spoiler and flush door handles keep airflow running smoothly over the car. Aerodynamically optimized side skirts also blend form and function by channelling air more efficiently around the wheels. At the rear, the squared off corners optimize aerodynamic performance by encouraging air to detach cleanly and efficiently from the car in a controlled way that minimizes the pressure differences that cause drag.

## Active Vanes

To give the optimum balance between cooling and aerodynamics, Active Vanes open when cooling of the batteries is required, but close when not needed to smooth airflow.

## Eco Mode

Eco Mode helps optimize the I-PACE range on long drives. This mode modifies the car's settings to reduce energy depletion as well as encouraging a more efficient driving style by displaying a 'driving style rating' in the message center. Eco Mode can make subtle changes to cabin heating and cooling, the amount of air recirculation and to a number of the car's features. If required, the driver can override these changes by normal operation of each feature or via the menu settings.

## Active Suspension With Adaptive Dynamics

To improve aerodynamic performance and range, the Active Air Suspension lowers the car by 0.4 inches when travelling at speeds in excess of 65 mph. See page 17 for details.

## Enhanced Brake Regeneration System

As soon as the driver lifts off the accelerator, the Enhanced Brake Regeneration system in the motors efficiently converts available kinetic energy to electricity to charge the battery. Driving in heavy traffic is also easier – using the Touchscreen you can raise the level of regenerative braking. The corresponding increase in deceleration means that, in stop and go traffic for example, there is far greater control of the car's speed using only the throttle.

## Heat Pump

The highly efficient heat pump enhances real-world EV range, without compromising on passenger comfort. It harvests heat from the outside air and electronic components of the I-PACE. The collected heat transforms a special liquid within the heat pump into a gas, which causes it to rise in temperature. The warmth is transferred to the cabin via the heating

and ventilation system, reducing the power demand from the vehicle battery and improving range – even in the coldest winter conditions, when you need it most.

## Driver Assistance

Designed with safety in mind, the I-PACE has been engineered to include a wealth of features designed to provide protection for you and your passengers, but to also provide the driver with assistance when needed. Sure-footed All Wheel Drive (AWD) capability is designed to help you stay planted on the road, in various weather conditions.

### Dynamic Stability Control (DSC)

Monitors the dynamic behavior of the I-PACE, and can intervene to enhance vehicle stability. DSC is designed to reduce motor torque and to apply braking to the appropriate wheels to correct the vehicle's direction of travel by counteracting understeer or oversteer.

### Electronic Traction Control (ETC)

Enhances traction and stability by controlling wheel spin. The ETC system reduces torque to the spinning wheel, then applies braking to the wheel, if required.

### Motor Drag Torque Control

Mitigates the chance of wheel lock-up caused by strong regenerative braking in slippery conditions. It acts by briefly increasing torque to the driven wheels as appropriate.

### Roll Back Protection

Can provide assistance to prevent the vehicle from rolling backwards as you pull away on an incline.

### Roll Stability Control (RSC)

Integrated with DSC to help reduce the possibility of rollover, while providing agility and ability to steer around obstacles. It monitors the vehicle motion and cornering forces to detect any potential risk of rollover. When risk is detected, braking is applied to the outside front wheel to help reduce forces which contribute to rollover.

### Emergency Brake Assist (EBA)

Analyzes braking input and if additional braking force is required, it boosts the brake pressure through the ABS pump to provide braking assistance. To help reduce the risk of a foreseeable collision, the emergency brake lights automatically activate the hazard warning lights during emergency braking.

## Emergency Braking

Gives an audible forward collision warning should a potential frontal collision be detected. Visual warnings follow. If you take no action, the system provides braking assistance to help reduce the severity of the possible impact.

## Anti-lock Braking System (ABS)

Allows the vehicle to maintain traction with the road surface while braking and prevents wheels from locking – thereby retaining the vehicle's ability to steer. The system helps to shorten the braking distance.

## Electronic Brake-force Distribution (EBD)

Automatically varies the braking force to each axle in order to reduce stopping distance, while still maintaining stability and the vehicle's ability to steer.

## All-round Exterior LED Lighting

Standard on every I-PACE. LEDs are more energy efficient and produce a light close to daylight conditions for less tiring night-time driving. The optional Premium LED headlights feature signature Daytime Running Lights and Auto High Beam Assist (AHBA), which automatically dips the main beam for oncoming traffic.