

Irizar i3le

Urban spirit



Adaptive capacity

Irizar has been a world-leading business group in the passenger transport sector since 1889, and its product catalogue comprises a wide range of integral, hybrid and electric buses and coaches.

With Irizar service, you can have personalised solutions designed and created to provide the best: Financing, repair & maintenance contracts and pick-up of your used vehicle are included in the wide range of services. The availability of a fully guaranteed comprehensive repair, tune-up and maintenance service 24 hours a day, 365 days a year remains a feature that sets us apart.

The adaptive capacity of the Group and the establishment of channels which promote shared analysis with customers are the principles that are applied to the Irizar i3le, in specific response to the search for a more functional and versatile product that completes the Low Entry range.

It is now also available in a Class II hybrid version.



Irizar design, intelligent solutions

The Irizar i3 bus allows a high degree of step-free accessibility and functionality, whilst maintaining all the features and attributes of the Irizar family with regard to safety, reliability, profitability, service and Irizar guarantee.

The experience accumulated at Irizar has allowed us to develop a vehicle built with top quality materials and reliable and functional manufacturing solutions.

Weight and distribution have been optimised, maximising the dynamic performance of the vehicle and maintaining the attributes of safety and strength.

The structure is designed according to the rigorous R/66.02 regulations, concentrating on the improvement of its behaviour in the event of a frontal crash, and in the rigidity of the roof unit.



Ease of access

The Irizar i3le concept works to the basic premise: the easing of access for passengers and adherence to the most stringent regulations in that field.

The vehicle boasts a low height from ground to platform, at a maximum of 340mm without kneeling and 270mm with kneeling, which enables it to be validated as Class I or Class II.

In accordance with the needs of the operator, the bus has different single or double-panelled door configurations; in addition to the possibility of determining different locations for them.

The doors have Masats electrical opening, with automatic safety sensors and internal emergency devices.

The ramp options are: manual or automatic PRM ramp - wide, open walkway-; a Masats & Hidrel-Gobel access ramp at the rear or central door and a Masats & Hidrel-Gobel telescopic electric ramp at the central door.



Facilitating maintenance

The anti-vandal materials with which the interior has been designed make for easy cleaning and enable appropriate maintenance which complies with the highest operator demands. Furthermore, the cost of replacement parts and servicing time have been optimised.

The front panelling and the rear bumper are modular and removable. This therefore facilitates the replacement of parts that are at greater risk of damage.

The Irizar i3le is, by its own merits, a local commuter bus which optimises operating costs without compromising on the intrinsic values of Irizar products.

The design of the external and internal elements is aimed at minimising changeover times and the cost of spare parts.

The powertrain electric control module integrates perfectly into the bodywork, allowing for optimal accessibility.



Comfort for passengers

The safety and comfort of passengers in relation to accessibility and/or mobility, together with efficiency for operators are the framework on which Irizar has built this project.

A distinguishing feature of this product, related to comfort, is the quality of the design, both inside and out.

The interior front section complies with the strictest directives in terms of accessibility. At the rear, the internal height allows passengers in that area to enjoy a generous amount of comfortable, accessible space with excellent visibility.

The cabin lighting uses LED technology.

According to the needs of the client, there is an option for numerous internal layout configurations, along with a wide selection of seats which adapt to the different characteristics of each route. Furthermore, seats next to wheel arches and tip-ups in the PRM area can be opted for in order to maximise the number of seated passengers.

Comfort for the driver

The driver's position is very ergonomic and comfortable and offers excellent visibility. It has independent locking for the ticket dispensing and validating machines, multiple compartments and a glove-box. It can also be optionally configured with a tamper-proof lock.

The driver's seat, Isri model 6860, is pneumatic and fully adjustable, with a head-rest and three-point adjustable seat belt. There are also other driver seating options available.

More characteristics that reinforce the feeling of comfort in the driver's area are the integrated air conditioning unit in the ceiling, the option for this to be dual zone and the dividing screen with heating functions.

Finally, the external LED lights make for more efficient driving.





Safety is paramount

Avoiding problems on the road is a priority for every Irizar vehicle. Like the brand's other models, the Irizar i3le complies with the R/66.02 safety regulations and is equipped with the most advanced active safety systems in order to ensure stability and minimise risk in unforeseen circumstances.

IESC stability control provides active torque checking and optimally distributes braking force to each wheel independently, thus preventing loss of control when manoeuvring abruptly on slippery surfaces. The advanced emergency braking system, AEBS, identifies the need to apply maximum braking force and acts automatically to minimise stopping distance.

In the most extreme situations, the behaviour of other road users is unpredictable, so it is reassuring to know that, like the rest of the brand's coaches, the structure of the Irizar i3le has been designed to offer resistance to rollover and head-on collision by optimising weight distribution.

The purpose of the active safety technology that is incorporated into Irizar buses and coaches is to aid, alert and assist the driver, because their safety, comfort and ergonomics also relies upon the peacefulness and comfort of the passengers. Magic Eye is, in this sense, the most prominent example of a comprehensive piece of equipment which highlights the effectiveness of safety systems.



Maximum profitability

At Irizar we know that fuel is the major cost component for operators, so we have made every effort to reduce consumption. The new generation of DAF EURO VI OBD-C engines with reduced internal friction, modified fuel injection system and other refinements, together with the software of the 6-speed automatic transmission (option of 12-speed automated transmission), provides significant reductions in fuel consumption.

The aerodynamic design of the unit is another thing that sets the brand apart. With a lower coefficient of air friction due to a narrower front with less air intake, the spare wheel cowling, reduced weight by using high-tensile steels, and the alloy wheels, all contribute to the fact that the Irizar i4 is the most efficient coach in the luxury sector when it comes to fuel consumption.

Another factor that affects maximum profitability are repair and maintenance costs. Service intervals have been extended, and the i4 can be driven for up to 100,000 kilometres without an oil change. We have also made great strides in reducing the cost of serviceable parts and coachwork. Moreover, we can equip coaches with the most advanced technology for comprehensive monitoring and control of costs and efficiency, which helps transport companies to optimise the performance and profitability of each fleet.

And of course, the service network continues to expand and offers an Irizar-authorised workshop within range of every operator. Our priorities include ensuring that the Irizar i4 maintains a high residual value, so that our clients receive an attractive return on investment, and to minimise CO2 emissions. Deciding to buy the Irizar i4 is, without doubt, choosing to get great value.



Class II hybrid buses

Irizar's new technological solution

Irizar is now going even further in the spirit of innovation and has taken a step forward in its numerous and diverse technological innovations by incorporating hybrid technology into its bus catalogue.

The hybridisation technology developed by Irizar is parallel hybrid technology. It combines a diesel or HVO (biodiesel) propulsion engine with an electric motor that, depending on the requirements, can power the vehicle at the same time or separately, achieving optimum efficiency and performance.

The suburban vehicle is a 13-metre low-entry Irizar i3 with 45 seats and a PRM platform. As this is a short-distance commuter vehicle, it offers modularity that enables the passenger capacity to be adjusted to suit the customer's needs.

It is available in versions from 10.7m up to 13m with two axles. The 15-metre three-axle version has a 57-seat capacity and one PRM space, and there is also the option to configure it with several PRM spaces.

The hybrid buses developed by Irizar reduce fuel consumption by 20%. With a reduction in CO₂ emissions of around 157gr/km compared to conventional buses with combustion engines, it prevents the emission of approximately 2.5 tonnes of CO₂ during its entire service life (estimated at 100,000km/year for 15 years).





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