

THE FUTURE OF

COMMERCIAL

POWERING VEHICLES WITH ELECTRIC ENERGY

DUAL AC - 1MW DC EV CHARGING

PRODUCT CATALOGUE



By using A Wide Range Of AC and DC EV Chargepoints.

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THE EVOLUTION OF EV CHARGING

A FULL RANGE OF AC & DC CHARGERS







Light-Commercial EV Chargers



High-Power Commercial EV Chargers



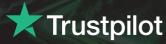
Power Cabinets & Charging Terminals

At Project EV, we specialise in providing only the most cutting-edge electric vehicle charging points, connecting our customers with technology that breaks boundaries. Our goal is to help people finally make the switch to clean and affordable energy by adopting smart charging for electric vehicles.

With a wide range of floor and wall-mounted AC and DC electric car chargers, our technology provides you with the high energy output you need to keep your EV charged and running well. Our range of electric vehicle charge points extends from 7.3kW AC up to 1MW DC, providing solutions for all locations. Our electric vehicle charging points come with full electrical and temperature protection, compact design, smart apps, and they are all tested to European standards, with an OCPP v1.6 open charge point protocol.

www.projectev.co.uk





Excellent





*4.8 out of 5 Reviews received 1000+

Great Customer Service! Brilliant Tech Support! **,

Highly Satisfied Project EV Customer

*Project EV Trust Score correct as of 07/24, the score and number of reviews are subject to change.



Feasibility & Design

Our design team can help create a detailed plan for the best placement of EV charge points. We work closely with you to understand your needs ensuring that our design reflects your vision while optimising

functionality and aesthetic appeal.



National Engineer Coverage

Project EV have a UK-wide network of engineers that can install, service, and maintain EV chargers for homes, businesses, and public areas. Our team are trained and certified to handle installations for all environments.



Dedicated Customer Support

We have a dedicated customer support line available, for any questions related to our EV chargers. Our expert team are always ready to help, and provide round-the-clock assistance to assist you with any queries related to our EV chargers.

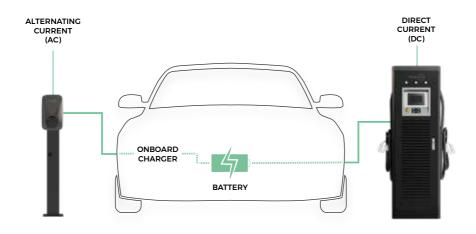
EV EDUCATION

AC VS DC CHARGING

AC VS DC: HOW DOES IT WORK?

The main difference between AC and DC charging is where the conversion happens. No matter whether an EV uses an AC or DC charging station, the EV's battery will still only store DC energy.

When you use a DC charging station, the conversion from AC to DC happens within the charging station, thus allowing the DC power to flow directly from the station and into the battery. As the conversion process happens within a more spacious charging station and not the EV, larger converters can be used to convert AC power from the grid very quickly. Whereas with an AC charger it is converted to DC when charging an electric vehicle, instead of being converted in the charging station it is converted inside the vehicle via the onboard charger.



EV PLUG TYPES

Unlike traditional internal combustion engined cars that all use similar filler nozzles to receive their fill of fuel, with electric cars there are at least four different plugs types, with various manufacturers committed to one or even two variations, so it's important to know your vehicle plug types. For AC charging there are two types of plugs you need to know, these are known as Type 1 & Type 2 plugs. For DC charging there are two types of plugs you need to know, these are known as CCS & CHAdeMO. MCS plugs are also.



TYPE 1 (AC PLUG TYPE)



TYPE 2
(AC PLUG TYPE)



CCS (DC PLUG TYPE)



CHADEMO (DC PLUG TYPE)



MCS (DC PLUG TYPE)

EV EDUCATION

UNDERSTANDING AMPS AND KW

In EV charging, the KW rating of a charger determines how quickly an EV can be charged. A higher KW rating can mean faster charging times, dependent on whether the EV can accept that level of power.

There is a very simple calculation that can be used to determine what the kW charging speed can be.

Power (kW) = $\frac{\text{Voltage (V) x Current (A)}}{1000}$

Voltage

Measures the electrical potential difference.

Amps

Measures the flow of electric charge.

Kilowatts

Measures the rate at which energy is transferred.

COMPARISON OF BATTERY SIZES, MAXIMUM CHARGING CAPACITIES AND CHARGING VOLTAGES

Car Model	Battery Size (kWh)	Max Charging Speed (kW)	Charging Voltage (V)
Tesla Model S	100	250	400
Nissan Leaf	40 / 62	50	400
Chevrolet Bolt EV	66	55	400
Audi E-tron	95	150	400
Hyundai Kona Electric	64	77	400
Ford Mustang Mach-E	68 / 88	150	400
BMW i3	42.2	50	400
Kia E-Niro	64	77	400
Jaguar I-PACE	90	100	400
Volkswagen ID4	77	125	400
Tesla Model 3	50 / 75 / 82	250	400
Rivian R1T	105/135/180	200	400
Polestar 2	78	150	400
Volvo XC40 Recharge	78	150	400
Mercedes-Benz EQC	80	110	400
Porsche Taycan	79.2 / 93.4	270	800

TIME TO CHARGE A 60KWH CAR WITH AC CHARGER

	Car Inverter Size (kW)				
Amps	3.6	7.2	11	22	
7kW	1000	500	500	500	
	Minutes	Minutes	Minutes	Minutes	
11kW	1000	500	327	327	
	Minutes	Minutes	Minutes	Minutes	
22kW	1000	500	327	164	
	Minutes	Minutes	Minutes	Minutes	

TIME TO CHARGE A 60KWH

	Car Inverter Size (k	
Amps	400	800
50kW	180 Minutes	90 Minutes
80kW	112.5 Minutes	56.25 Minutes
100kW	90 Minutes	45 Minutes
200kW	45 Minutes	22.5 Minutes
300kW	30 Minutes	15 Minutes
500kW	18 Minutes	9 Minutes

TIME TO CHARGE A 80KWH

	Car Inverter Size (kW		
Amps	400	800	
50kW	240 Minutes	120 Minutes	
80kW	150 Minutes	75 Minutes	
100kW	120 Minutes	60 Minutes	
200kW	60 Minutes	30 Minutes	
300kW	40 Minutes	20 Minutes	
500kW	24 Minutes	12 Minutes	

7KW & 22KW AC CHARGER

DUAL WALL EV CHARGER



x 2

Warranty

Capabilities

No Earth Spike Required

Output

The dual wall EV range are ideal for small-scale commercial use, with both single-phase and three-phase options available. These chargers are Pro Earth, meaning no earth spike and costly groundwork needs to take place during the installation process.

The EVD-07D-SE-W and EVA-22D-SE-W dual wall chargers come packed full of features, including a market leading five year warranty, RFID control, integrated cable lock system and split power output capabilities, to allow charging of two vehicles simultaneously.

The chargers integrate with our Pro App back office for easy fleet management, cost control and load balancing.



EVA-07D-SE-W / EVA-22D-SE-W



7KW & 22KW AC CHARGER

DUAL FLOOR EV CHARGER



Type 2 Socket x 2

5 Year Warrantv Dual Charging Capabilities Pro Earth No Earth Spike Required

Split Power Output

The floor standing AC charging units are ideal for small-scale commercial use, with single-phase and three-phase options available. These chargers are Pro Earth, meaning no earth spike and costly groundwork needs to take place during the installation process.

The EVA-07D-SE-RFID and EVA-22D-SE-RFID dual floor chargers come packed full of features, including a five-year warranty, RFID control, integrated cable lock system and split power output capabilities, to allow charging of two vehicles simultaneously.

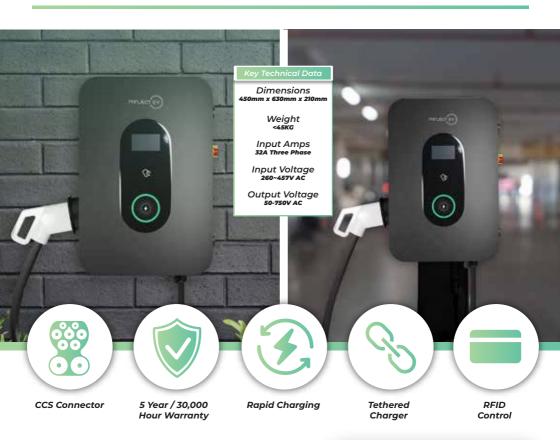
The chargers integrate with our Pro App back office for easy fleet management, cost control, and load balancing. This app allows real-time monitoring and optimisation of your charging infrastructure.



EVA-07D-SE-RFID / EVA-22D-SE-RFID



SINGLE GUN EV CHARGER



The EVD-20S-P is a tethered three-phase commercial DC charging unit designed to revolutionise electric vehicle charging for businesses. Equipped with a single CCS gun, this charger ensures seamless and efficient charging for your electric vehicle fleet.

The EVD-20S-P is more than just hardware; it's a smart solution with advanced features. RFID control streamlines user access, enhancing efficiency.

The charger integrates with our Pro App back office for easy fleet management, cost control, and load balancing. This app allows real-time monitoring and optimisation of your charging infrastructure.



EVD-20S-P



SINGLE GUN EV CHARGER



The EVD-40S-P is a three-phase, commercial DC charging unit, featuring a single CCS gun. This charger comes packed full of features, including a 5 Year/30,000 Hour Warranty, RFID control, IP54 protection rating, and integrated RCBO isolation.

The charger integrates with our Pro App back office for easy fleet management, cost control, and load balancing. This app allows real-time monitoring and optimisation of your charging infrastructure.





DUAL GUN EV CHARGER

2 x 20KW Charger Guns



The EVD-D-40D-P-CC is a three-phase, commercial DC charging unit, featuring two CCS gun's. This charger comes packed full of features, including a 5 Year/30,000 Hour Warranty, RFID control, IP54 protection rating, and integrated RCBO isolation.

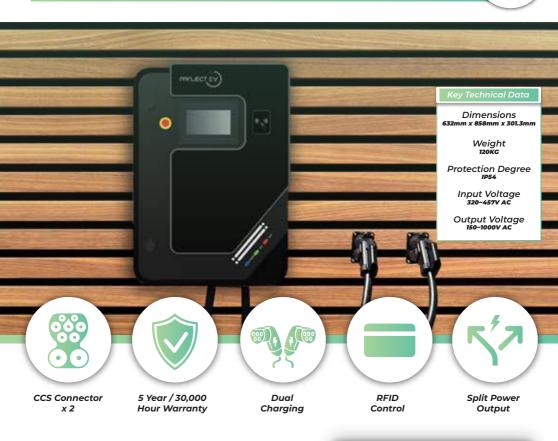
The charger integrates with our Pro App back office for easy fleet management, cost control, and load balancing. This app allows real-time monitoring and optimisation of your charging infrastructure.





DUAL GUN EV CHARGER

2 x 40KW Charger Guns



The RVD-80D-P-C DC charger has two model variants, and is perfect for commercial environments. This charger comes packed full of features, including a 5 Year/30,000 Hour Warranty, RFID control, IP54 protection rating, and contactless payment capabilities.

The charger integrates with our Pro App back office for easy fleet management, cost control, and load balancing. This app allows real-time monitoring and optimisation of your charging infrastructure.



EVD-80D-P-C

80KW - 200KW DC CHARGER

MODULAR EV CHARGER



The 80-200KW DC charger has two model variants, and is perfect for commercial environments. This charger comes packed full of features, including a 5 Year/30,000 Hour Warranty, RFID control, IP54 protection rating, and contactless payment capabilities.

The charger integrates with our Pro App back office for easy fleet management, cost control, and load balancing. This app allows real-time monitoring and optimisation of your charging infrastructure.

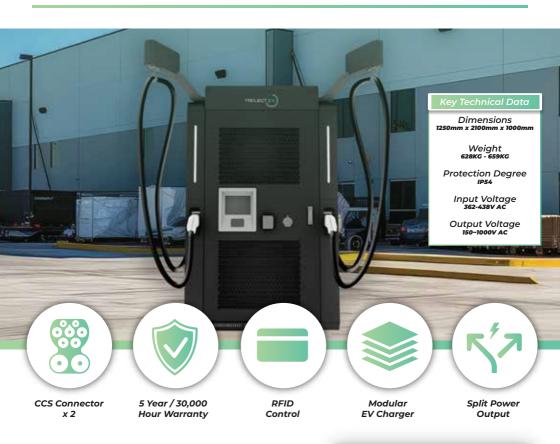


EVD-80D-CC / EVD-120D-CC EVD-160D-CC / EVD-200D-CC



240KW - 320KW DC CHARGER

MODULAR EV CHARGER



The EVD-240-CC & EVD-320-CC EV Charging units are ideal for commercial environments, featuring two CCS charging guns. This unit is modular, and is packed full of features including RFID control and split power output.

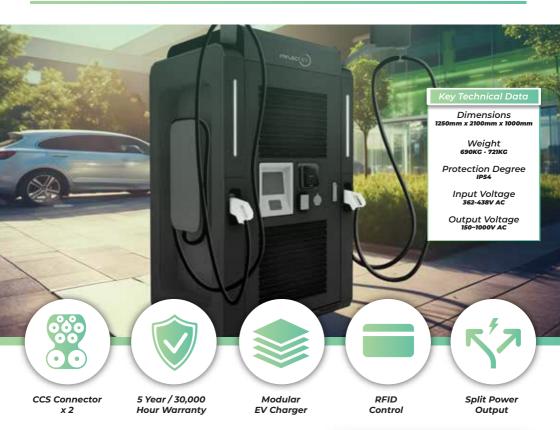
The charger integrates with our Pro App back office for easy fleet management, cost control, and load balancing. This app allows real-time monitoring and optimisation of your charging infrastructure.



EVD-240-CC / EVD-320-CC

400KW - 480KW DC CHARGER

MODULAR EV CHARGER



The EVD-400-CC & EVD-480-CC EV Charging units are ideal for commercial environments, featuring two CCS charging guns. This unit is modular, and is packed full of features including RFID control and split power output.

The charger integrates with our Pro App back office for easy fleet management, cost control, and load balancing. This app allows real-time monitoring and optimisation of your charging infrastructure.





EV EDUCATION

LIQUID VS FAN COOLING

What is the difference between Liquid and Fan Cooling?

The main difference beteeen fan-cooled and liquid-cooled ev chargers are that they manage and remove heat differently during the EV charging process. Efficient heat management is crucial for maintaining charger performance, reliability, and safety.

Liquid Cooling

Liquid Cooled EV Chargers use a coolant (typically a mixture of water and glycol) that circulates through channels or pipes in contact with heat-generating components.

Fan Cooling

Fan Cooled EV Chargers use one or more fans to move air over heat-generating components, such as power electriconics and connectors.

Used Per Gun



Used Per Gun



240KW - 720KW POWER CABINETS

FOR LIQUID & FAN COOLING TERMINALS



Liquid and Fan Cooling Terminals

Multiple **Power Variants**

Rating

Ideal For Fleet Charging

Commercial Charging



SINGLE GUN

FAN COOLED TERMINAL



The single-gun terminals are perfect for fleet charging, each equipped with a CCS connector. Up to six terminals can be connected to one cabinet, providing robust and scalable charging solutions. These terminals feature advanced fan cooling capabilities and an IP55 protection rating, ensuring durability and reliability in various environments. Additionally, they support contactless payment systems, enhancing convenience for users. Designed for efficiency and ease of use, these terminals offer a seamless charging experience, making them an excellent choice for fleet management and high-traffic charging locations.





DUAL GUN

FAN COOLED TERMINAL



The dual-gun terminals are perfect for fleet charging, each featuring two CCS connectors for maximum efficiency. Up to three dual terminals can be housed in a single cabinet, providing a scalable solution for high-demand environments. These advanced terminals boast fan cooling capabilities and an IP55 protection rating, ensuring robust performance and durability in various conditions. With compatibility for contactless payment systems, they offer a seamless and convenient user experience. Designed for reliability and ease of use, these dual-gun terminals are an excellent choice for managing fleet charging needs, delivering superior performance and flexibility.





SINGLE GUN

LIQUID COOLED TERMINAL



The single-gun terminals are perfect for fleet charging, each equipped with two CCS connectors to maximize efficiency. You can install up to three of these dual terminals per cabinet, offering a scalable solution for high-demand environments. Featuring advanced liquid cooling capabilities and an IP55 protection rating, these terminals ensure reliable performance and durability in various conditions. They are also compatible with contactless payment systems, providing a seamless and convenient user experience. Engineered for reliability and ease of use, these single-gun terminals are the ideal choice for efficient fleet management, delivering superior performance and flexibility.

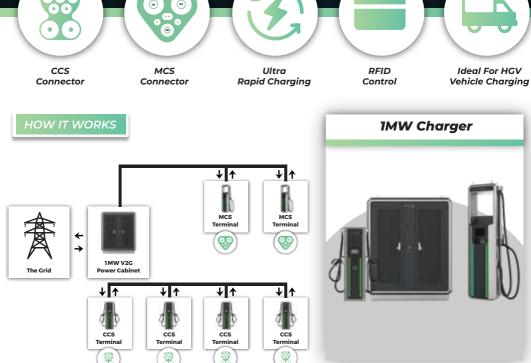




MODULAR EV CHARGER







ENERGY STORAGE SYSTEM

EV CHARGER





The Energy Storage System Integrated Charging Solution is engineered for excellence, featuring dual CCS charging guns and an IP54 rating for reliable protection. This system boasts ultra-fast charging capabilities, supported by a smart liquid cooling battery system that ensures optimal performance. It offers multiple control methods, including 4C, Wi-Fi, Bluetooth, and LAN, providing versatile and seamless connectivity options. Designed for high efficiency and reliability, this integrated solution delivers a superior charging experience, making it ideal for demanding applications and modern fleet management. Its advanced features and robust design make it a standout choice for cutting-edge energy storage and charging needs.



Battery Storage Charger



PROJECT EV PRO APP

APP AND BACK OFFICE SOLUTION



Manage and Control Multiple Chargepoints Generate a Revenue Stream Compatible with Contactless Back-Office
Platform & Reporting

User-Friendly App Interface



FULLY SMART PUBLICCHARGE MANAGEMENT

THE PROJECT EV PRO APP

Giving you control of your EV charging for all your domestic and commercial uses.

Available on











The Project EV Pro App simplifies electric vehicle charging with its user-friendly interface. You can access multiple payment methods, making charging hassle-free at public areas. Top up your account effortlessly and track charging history. Customise your experience by favouriting preferred chargepoints for quick access.

Explore all public chargers on an interactive map, ensuring you always find a nearby station. This app seamlessly integrates payments, location services, and account management, providing a comprehensive solution for EV drivers. Charge with confidence and convenience, empowered by technology that puts control at your fingertips.

CONTACTLESS TAP AND GO

PAYMENT TERMINAL SOLUTION



Multiple Payment Methods Including Apple & Google Pay Customisable Screens

Transaction Receipts Available **Ouick and Easy** Installation

Working Exclusively with the Project EV Pro App

COMPACT AND SECURE EV CHARGER PAYMENTS

CONTROL UP TO FOUR EV CHARGERS AT ONCE

Discover effortless EV charging with our contactless payment solution. By integrating NFC technology, drivers can initiate and pay for charging sessions with a simple tap of their smartphone or contactless card. This eliminates the need for physical payment methods, streamlining the entire process.

Real-time transaction monitoring ensures secure and transparent payments, providing peace of mind to EV drivers. Our contactless solution promotes sustainability and user experience, supporting the transition to electric vehicles.





WORKING WITH MUITIPLE PAYMENT TYPES











UNDERSTANDING EV

A GLOSSARY OF EV RELATED TERMS



Pro Earth

Pro Earth chargers, which do not require an earth spike to detect the loss of neutral. Instead, this process is completed internally with a PEN fault detection device.



RFID

Radio-Frequency Identification for touch and charge.



Dynamic Load Management

Power is evenly distributed so that multiple cars are charged at the same rate when charging simultaneously, and that - when there's sufficient capacity - charging happens at full volume.



CCS

Rapid Charging Connection for EV's.



ı ype 2

AC, variable speed charge point plug for anywhere from 3-50kW.



CHAdeMO

20-62.5kW rapid charging plug, used mostly for fleet charging.



Single Phase Power

Electrical supply commonly found in most homes in the UK and some businesses. This form of power can supply the power for an EV charge point up to 7.4kw.



Three Phase Power

Electrical supply commonly found on commercial or industrial sites. This form of power can supply the power for an EV charge point up to 22kw AC.



Back Office

A software based central hub that controls a series of chargers within a smart charging network. You can monitor usage, costs, and charging durations.



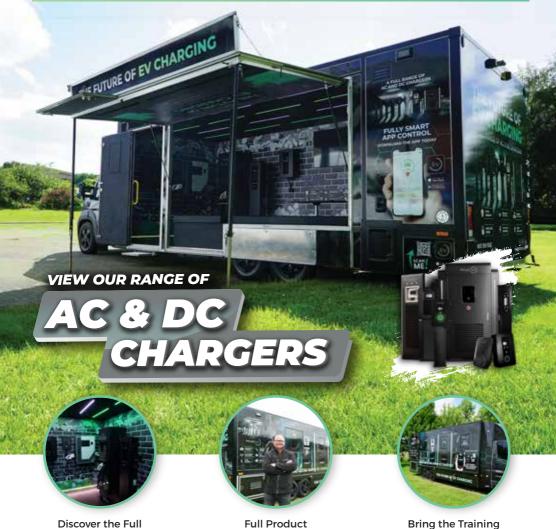
OCPP

Open Charge Point protocol. Meaning it's connected to the nationwide network of EV Chargers.



ROADSHOW VAN

VISIT OUR SHOWROOM ON WHEELS TODAY



Discover the Full Benefits of EV Charging

Full Product Training

Room to You

WANT US TO VISIT

OUR BRANCH?

ENQUIRE WITH YOUR LOCAL PROJECT EV REP TODAY OR EMAIL SALES@PROJECTEV.CO.UK



Project

THE WHOLE OF HOUSE APPROACH

HELPING TO IMPROVE ENERGY EFFICIENCY



Infrared Energy Efficient Heating Air Sourced Hot Water On-Roof & In-Roof Solar Systems Off-Peak Battery Storage Electric Vehicle Charging

At Project CÜRV we have designed a solution that integrates multiple high-performance, state-of-the-art technologies that seamlessly blend, and complement, one another to achieve maximum energy efficiency.

Our solution can be blended together to obtain a higher SAP or EPC score at a housing sector, local authority, or commercial level. One of the primary objectives of Project CÜRV is to combat fuel poverty effectively. By deploying our solution, we aim to significantly reduce energy bills for tenants and homeowners, thereby addressing a critical

socio-economic challenge. The impact of our solution extends beyond individual households, fostering community well-being and contributing to a more sustainable future.

Our range can be utilised as a complete package, or individual products. Contact us today and find out how Project CÜRV can help you achieve your energy efficiency targets.

www.projectcurv.co.uk

Raise SAP & EPC Scores Whilst Improving Home Efficiency. Lowering Energy Bills And Raising Housing Portfolio Value



Domestic

Stylish, renewal and carbon conscious whole of home solution that raises home efficiency resulting in lower energy bills, higher house marketability with long warranties and low maintenance.



Trade

Building relationships with local and nationwide tradespeople, providing a complete renewable solution for plumbers, electricians, builders & roofers interested in the next generation of technology.



Commercial

A whole of house solution to help housing developers and associations achieve high SAP scores and improve EPC ratings, all through one solutions provider.

Infrared Heating Panels









Wall Mounted

Glass Range

Immediate Thermal Comfort With A Toughened Glass Finish Available In Black, White, Towel or Mirror Finishes.

Ceiling & Wall Mounted

Aluminium Range

Lightweight Aluminium Design That Can Be Mounted Onto A Wall, Ceiling Or Into A Grid-Tile Ceiling.



Direct Thermal Comfort

Infrared Heating Targets Objects and Individuals, Instead Of Increasing The Temperature Of Ambient Air, Which Then Heats The Person Or Object.



Smart Heat Zones

Configure Smart Schedules With The CÜRV Smart App, Isolating Heat To Individual Rooms Without Wasting Energy Like Central Heating.



Versatile Mounting

All Heating Panels Can Be Horizontally Or Vertically Mounted, Including the Aluminium Heating Range Which Can Be Ceiling/Grid Ceiling Mounted



15-Year Warranty

Benefit From Peace Of Mind With A 15-Year Warranty On All Infrared Heating Panels As Well As No Requirement For Regular Servicing.



Child Safety

Via The CÜRV Smart App, Maximum Heating Panel Surface Temperature Can Be Dropped To Lower Harshness Touched.

Air Sourced Hot Water Cylinders

Hot Water Heating

Heating an 80 - 250 L Water Tank Through An Integrated High Efficiency Air Sourced Heat Pump For Lower Energy Bills & Carbon Emission.





Integrated Compressor

The Unit Has A Tank Mounted Compressor With Ducting To A Non-Liveable Space. Removing The Need For An Appliance On The Outside Of The Building.



Boost Mode/ Legionella Protection

Automatically, Each Week, The Tank Purges Legionella Auxilliary Using an Immersion Heater. This Heater Can Also Boost Water Temperature As Needed.



5-Year Warranty

Benefit From Peace Of Mind With A 5-Year Warranty On All Cylinder Variants.













