HUMAX EV CHARGING

Humax MX7
V2G-Ready home charger
Product Catalog

Step Into the Future of Connected Mobility with V2G

Step Into the Future of Connected Mobility with V2G

Transform your EV into a smart energy hub, enabling seamless communication with homes, grids, and infrastructure—enhancing efficiency, sustainability, and driving intelligence.

*V2G functionality requires collaboration between vehicle manufacturers, energy tariff providers, and your local grid operator. Availability of V2G may vary depending on region, vehicle compatibility, and local infrastructure. Selling power back to the grid may need a software subscription

Charge with Solar Energy

Charge your car using solar panels cutting down electricity costs and using clean energy.

• Reduces electricity bills by using surplus solar power.

• Lowers carbon footprint by utilizing renewable energy instead of fossil fuels.

Solar Energy

EV Charger

EV

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Car as a Power Backup

Supply electricity to your home during power outages, reducing reliance on the grid.

• Ensures a reliable backup power source during emergencies.

• Lowers dependency on expensive home battery storage systems.

EV Charger

EV

Easy Tracking & Reimbursement for Fleet Charging

Businesses can track which company cars are charged at employees' homes and fairly reimburse them for the cost.

- Ensures employees are compensated accurately for work-related charging costs.

- Simplifies fleet management by providing clear charging data and cost tracking.

Sell Energy Back to the Grid

Your car's battery can send excess power to the grid, earning you money or credits.

- Generate extra income by selling stored electricity when demand is high.

- Support the energy grid, helping balance supply and demand more efficiently.

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Smart Charging
with off peak tarrifs

Schedule charging during off-peak hours to save money by taking advantage of lower electricity prices.

- Helps save money by charging when electricity rates are lowest.

- Reduces strain on the grid by shifting demand to non-peak times.

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Extends Battery
Lifespan

Smart energy management helps optimize charging and discharging cycles, reducing battery wear and improving longevity.
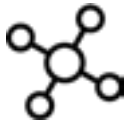
- Controlled charging and discharging prevent excessive wear, extending the lifespan of EV batteries.

- Reduces Replacement Costs - A longer-lasting battery means fewer replacements, potentially saving thousands of pounds over the vehicle's lifetime.

Convenience, Cost Savings, and Energy Independence

Powerline Communication Module
PLC Built in

ISO 15118 protocol enabled

V2G ready from HW

Tethered Version

Intelligent Charging

Solar compatible

Socket Version

HEMS integration ready
Solar PV compatible for future integration with inverter, ESS, smart meters etc.

Fully Integrated with various SW

Efficient Charging, Bigger Savings!

Intelligent Charging
Set a preferred charge level and "ready by" time for optimized, energy-efficient charging.

EV Tariff Compatibility
Works with wide range of EV tariffs for maximum flexibility and cost savings.

Maximize Savings with Surplus Solar
Automatically use extra solar energy after meeting home needs, with alerts for surplus power.

Smart Protection for Charging

Built-in Temperature Sensor
Automatically adjusts charging based on internal temperature to prevent overheating.

Overcharge Protection
Prevents the EV battery from overcharging, enhancing battery life and safety.

Tamper Protect Switch
Advanced protection against unauthorized access, misuse, or tampering with the charging unit.

Convenience & Ease of Business Fleet Charging

Autocharge (ISO15118)
Automatically identifies the vehicle and authorizes charging and payment. No need to use an app or RFID cards by ISO15118 protocol.

Charging
Car Type : Brand 1
HUMAX

00.00 kWh
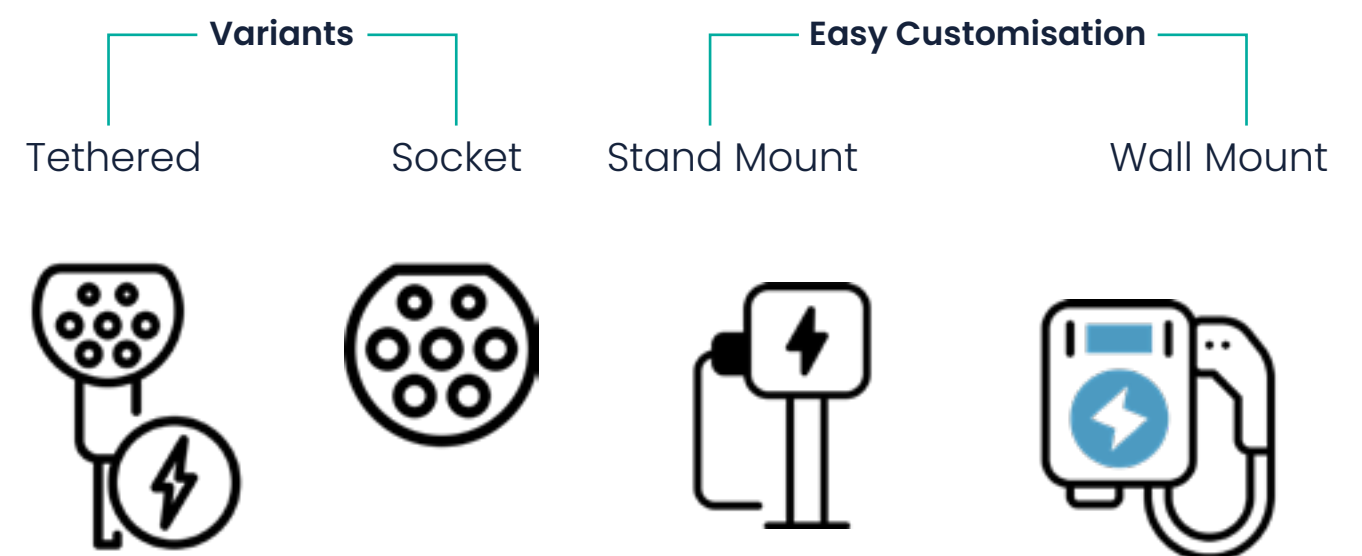
23: 22
Duration

00.00£
Cost

10:00pm – 7am(+1)
Current Session

Business Charging at Home
PLC helps identify business and personal charging sessions, filtering them for fast, easy processing and fraud prevention.
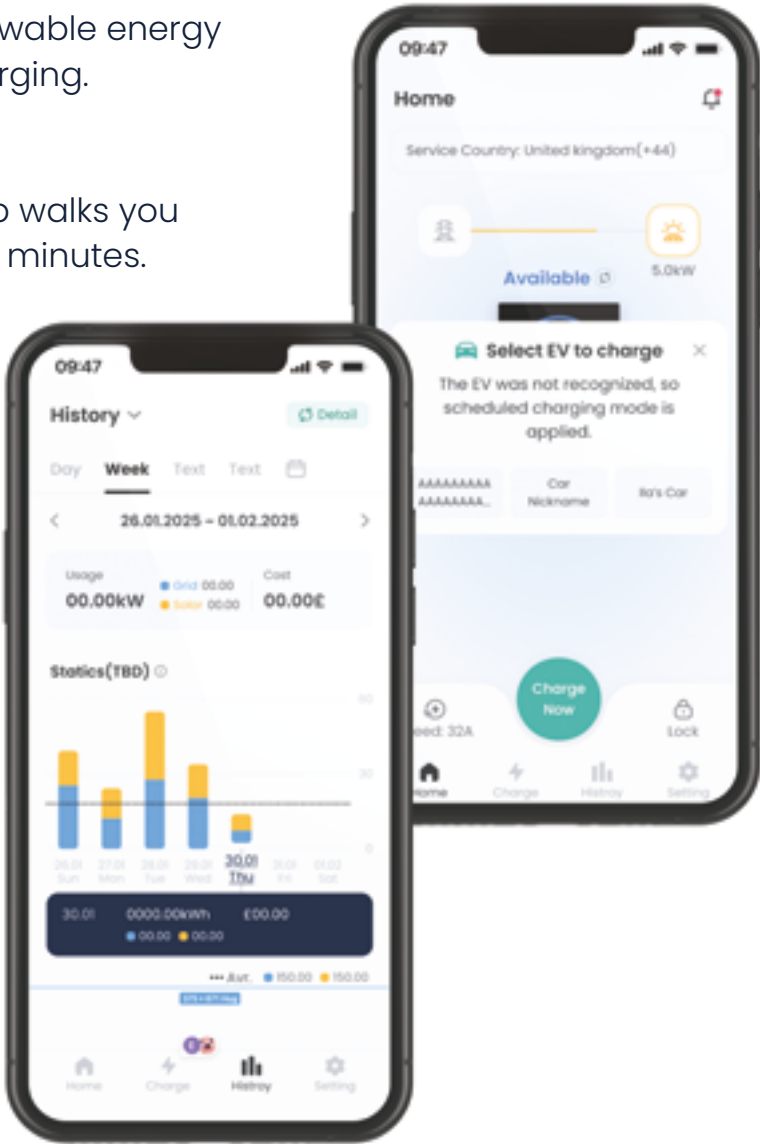
Style Meets Smart Charging

- **A perfect blend of design, functionality and personalization.**

- **Swappable Front Fascia**
  Match your charger with your home or business environment for a sleek, customized look.

Variants		Easy Customisation	
Tethered	Socket	Stand Mount	Wall Mount

Humax Charge App

✓ **Smart Scheduling**
Schedule charging times to fit your routine and make the most of off-peak energy.

✓ **Flexible Charging Modes**
Choose from App mode, RFID mode, or Plug & Charge to match your needs.

✓ **Solar-Powered Charging**
Utilise off-peak, solar, or renewable energy sources for intelligent EV charging.

✓ **Quick Setup**
Our easy-to-use Installer App walks you through the setup process in minutes.

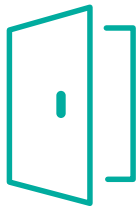Scan to download

Easy & Hassle Free Installation

Simplified Install
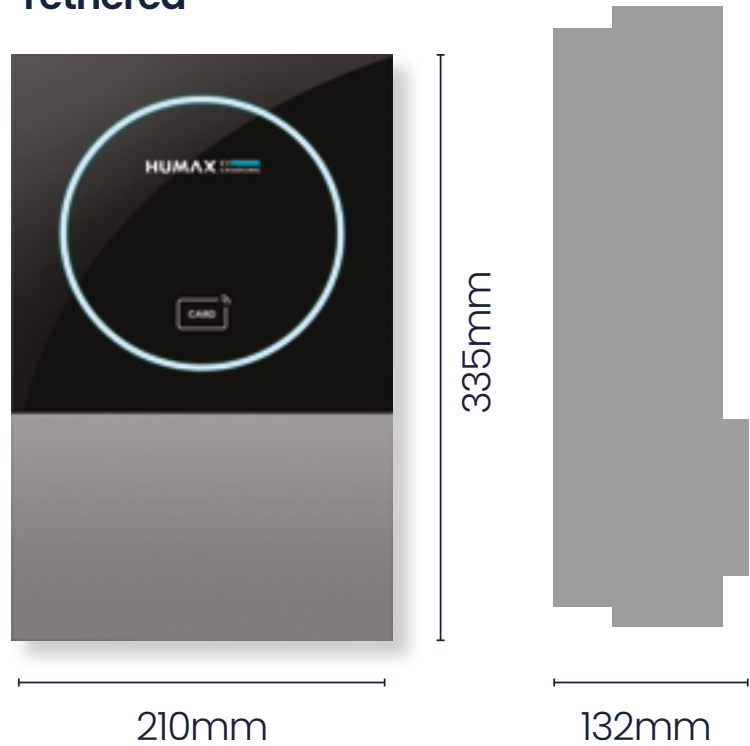Applied Door Hinge Front Cover for quick access and setup.

Smart Installer App
Faster, more accurate, and standardized installation with step-by-step guidance.

INSTALL

Specifications

Tethered

335mm

210mm

132mm

Socket

335mm

210mm

132mm

	Model	Tethered	Socket
Input	Power Supply	Single Phase	
	Rated Voltage	230V AC	
	Rated Current	32A	
	Frequency	50Hz	
User Interface	Charge Connector	5M and 7.5M cable length	Type 2 Cable Socket
	Housing Material	PC/ASA	
	LED Indicator	White/Blue/Green/Yellow/Red	
	RFID/NFC	ISO/IEC 14443 Type A (Mifare Classic, 13.56 MHz)	
	Start Mode	Plug&Play/RFID card/App	
Communication	Communication	Wi-Fi, Bluetooth LE and Ethernet (4G Optional)	
	Protocol	OCPP 1.6J	
Safety	Ingress Protection	Tethered: IP65, Socket : IP54	
	Impact Protection	IK10	
	Electrical Protection	Over current protection, Residual current protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over temperature protection, PEN fault protection, Tamper protection	
	Certification and Standard	BS EN IEC 61851-1:2019, BS IEC 62955:2018, BS EN IEC 61851-21-2:2021, BS EN IEC 61000-6-1:2019, BS EN IEC 61000-6-3:2021, EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.3.2:2023, EN 301 489-17 V3.2.4:2020, EN 300 330 V2.1.1:2017, EN 300 328 V2.2.2:2019, BS EN IEC 62311:2020, BS EN IEC 62311:2020, BS EN IEC 63000:2018, BS 7621:2018, EN 303 645, IEC 62196, ISO 15118 ready, UK EVSCP Regulation 2021	
	Warranty	up to 5 years	
Environment	Installation	Wall-mount and Pole-stand (option)	
	Work Temperature	-30°C ~+50°C	
	Work Humidity	5%~95%	
	Work Altitude	<2,000m	
Environment	Product Dimension	Tethered : 335mm * 210mm * 132mm, Socket Type : TBC	
	Package Dimension	465mm * 258mm * 316mm	

Reliability Assured

Backed by Comprehensive Support & Protection

Trusted CE brand with 25 years in the UK

UK local call center operation
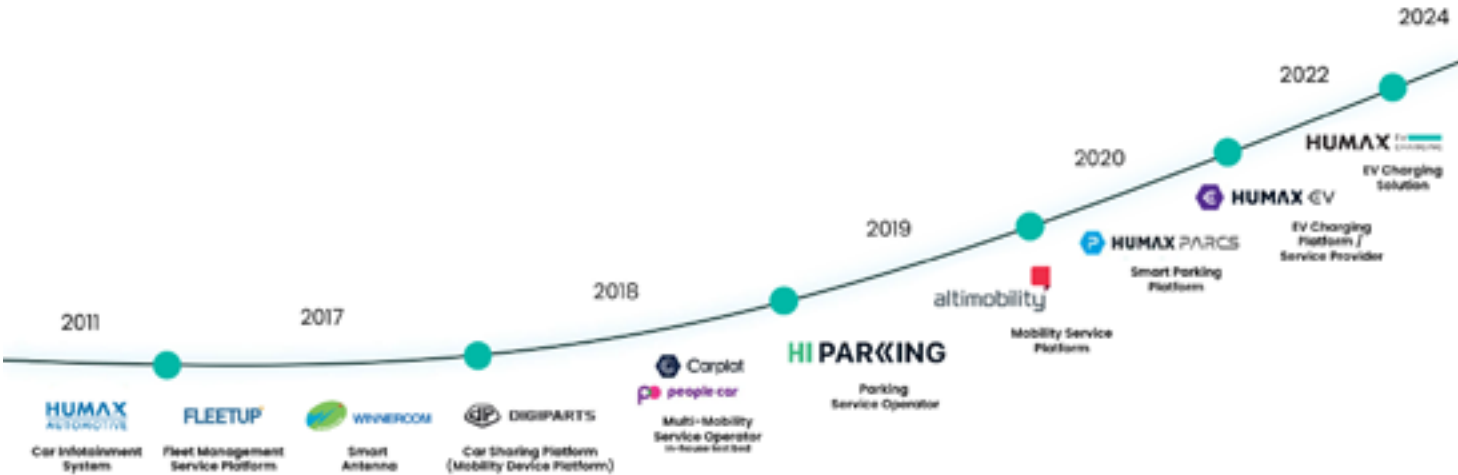
Up to 5-year warranty

OZEV approved

Compatible with all EVs and PHEVs

Fully compliant with UK regulations

★ Trustpilot
4.6 ★★★★★
Excellent   3k reviews

2011 — HUMAX AUTOMOTIVE — Car Infotainment System

2017 — FLEETUP — Fleet Management Service Platform — WINNERCOM — Smart Antenna

2018 — DIGIPARTS — Car Sharing Platform (Mobility Device Platform) — Carplat — people car — Multi-Mobility Service Operator (In-house End User)

2019 — HI PARKING — Parking Service Operator

2020 — altimobility — Mobility Service Platform — HUMAX PARCS — Smart Parking Platform

2022 — HUMAX EV — EV Charging Platform / Service Provider

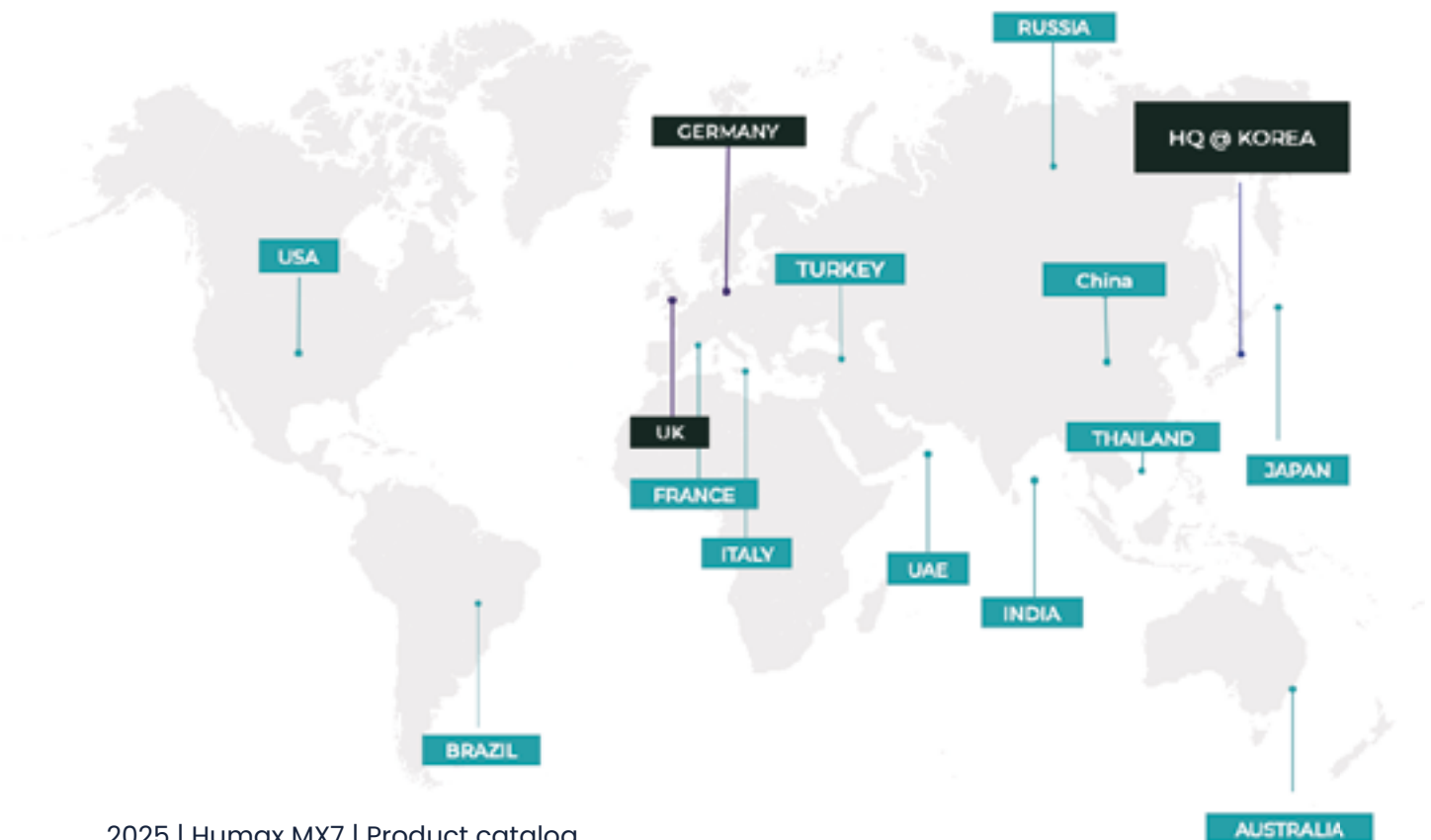2024 — HUMAX EV CHARGING — EV Charging Solution

Global Brand

Driving Innovation Forward – Since 1989

• 16000+ Chargers are being operated

- HUMAX is one of the biggest CPO in South Korea Under the name of Turu brand

- Global Presence: Subsidiaries in over 20 countries worldwide.

- Established Network: Supporting partners and customers in key markets around the globe.

- Trusted Worldwide: Award winning brand delivering innovative solutions across international markets.

- 30 years in house production know-how

- In-House Testing & Prototyping: On-site product validation and rapid prototyping to ensure reliability and performance

- R&D: Continuous research and development for new technologies and product improvements.

- Quality Assurance: Strict quality control protocols for high standards.

RUSSIA

GERMANY

HQ @ KOREA

USA

TURKEY

China

UK

THAILAND

JAPAN

FRANCE

ITALY

UAE

INDIA

BRAZIL

AUSTRALIA

Humax Charge App

Get full control of your EV charging,
it's simple to use and easy to set up.

Humax Installer App

Our dedicated installer app for qualified
electricians allows easy installs, onboarding,
and activating the Humax EV Charger.

Support Hub

HUMAX EV
CHARGING

Email : sales@humaxcharging.com | Phone : 0208 326 6000

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humaxcharging.com/uk