



**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.



\*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

# 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.





# 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.



\*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

# 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.





# Smart Charging with off peak tariffs

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.



\*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

# Extends Battery Lifespan

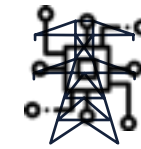
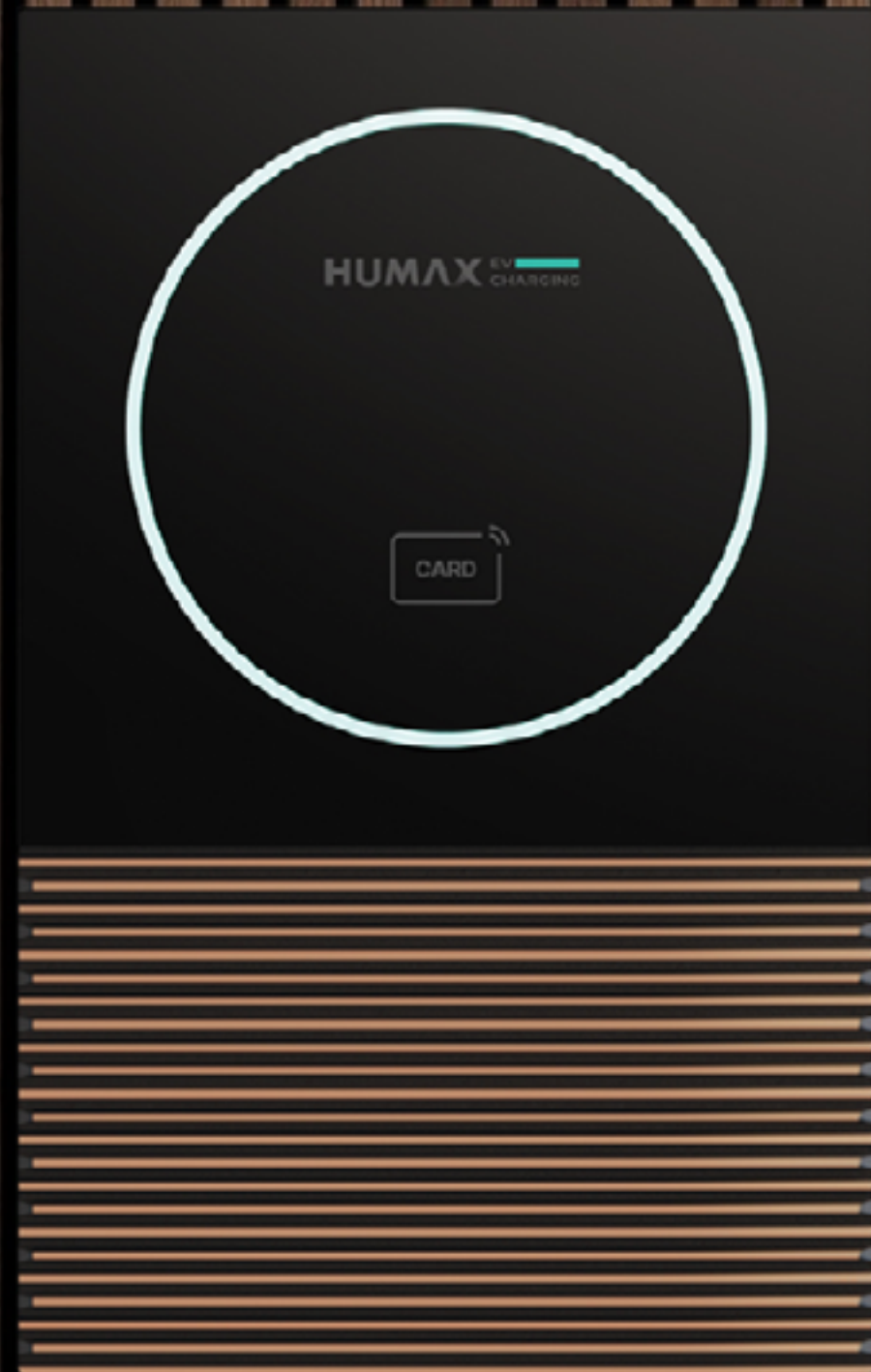
Smart energy management helps optimize charging and discharging cycles, reducing battery wear and improving longevity.

- 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.

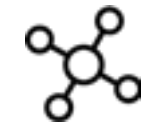




# Convenience, Cost Savings, and Energy Independence



**Powerline Communication Module**  
PLC Built in



**ISO 15118 protocol enabled**



**V2G ready from HW**



**Intelligent Charging**



**Solar compatible**



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



**Fully Integrated with various SW**



**Tethered Version**



**Socket Version**



# 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

00.00 kWh

23: 22

Duration

00.00£

Cost

10:00pm – 7am(+1)

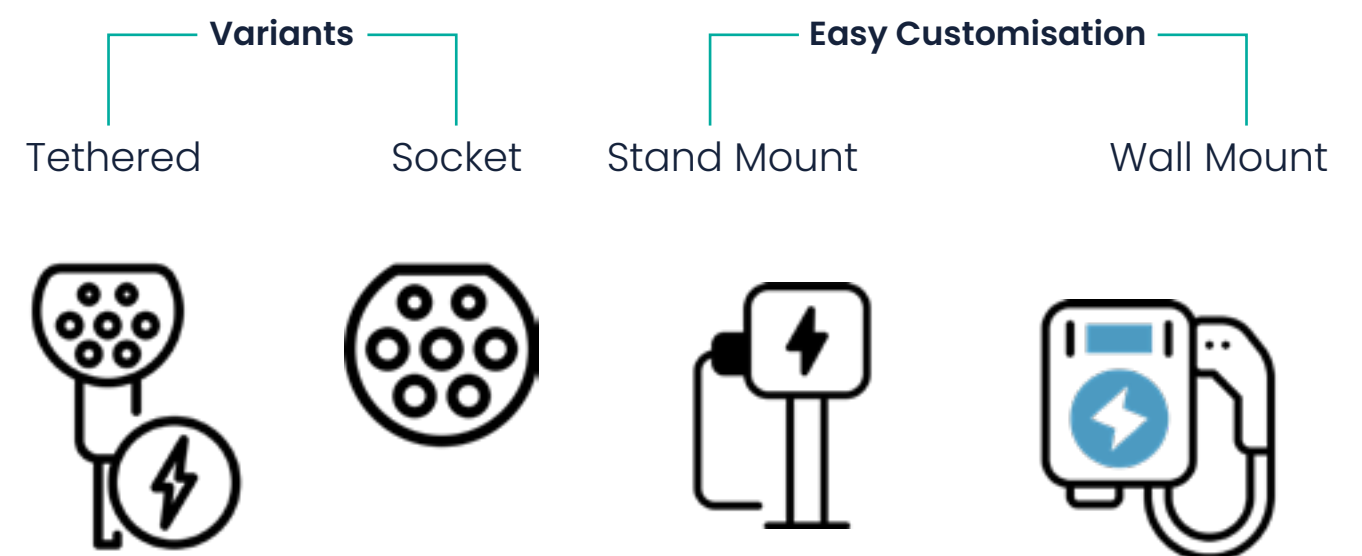
Current Session

**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.

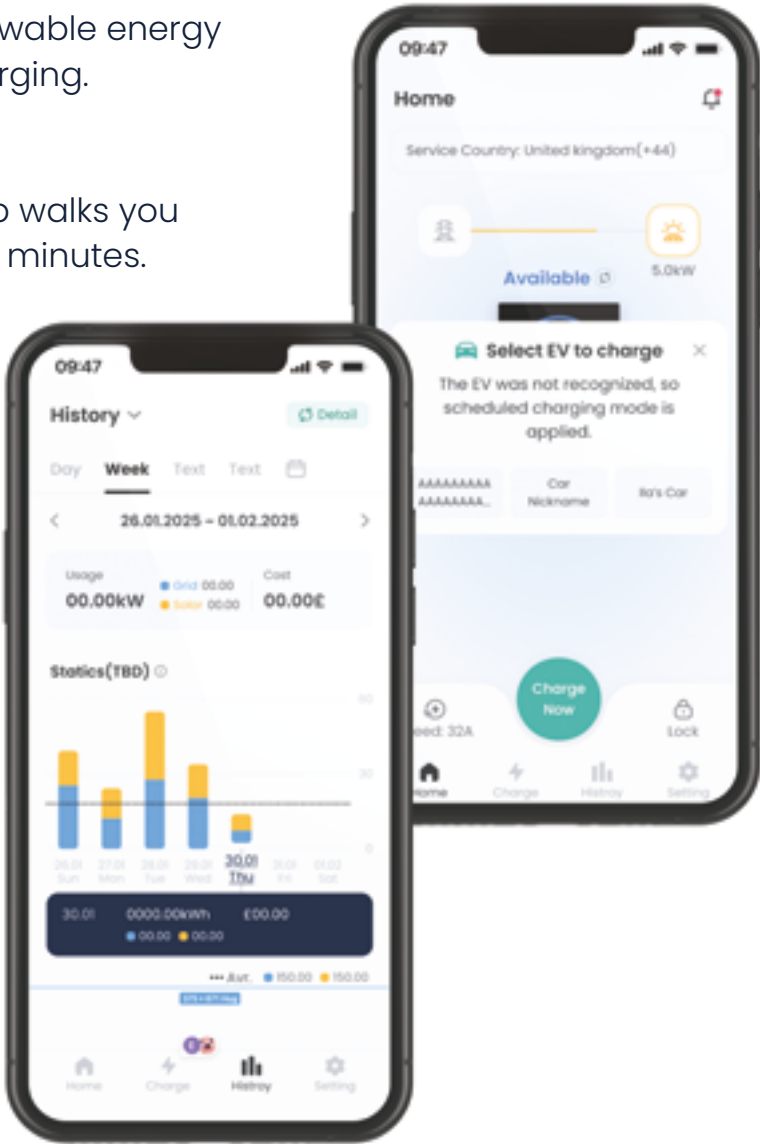






# Humax Charge App

- ✓ **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.

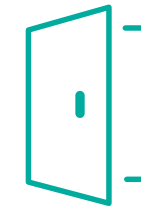


Scan to download





# Easy & Hassle Free Installation



## **Simplified Install**

Applied Door Hinge Front Cover for quick access and setup.



## **Smart Installer App**

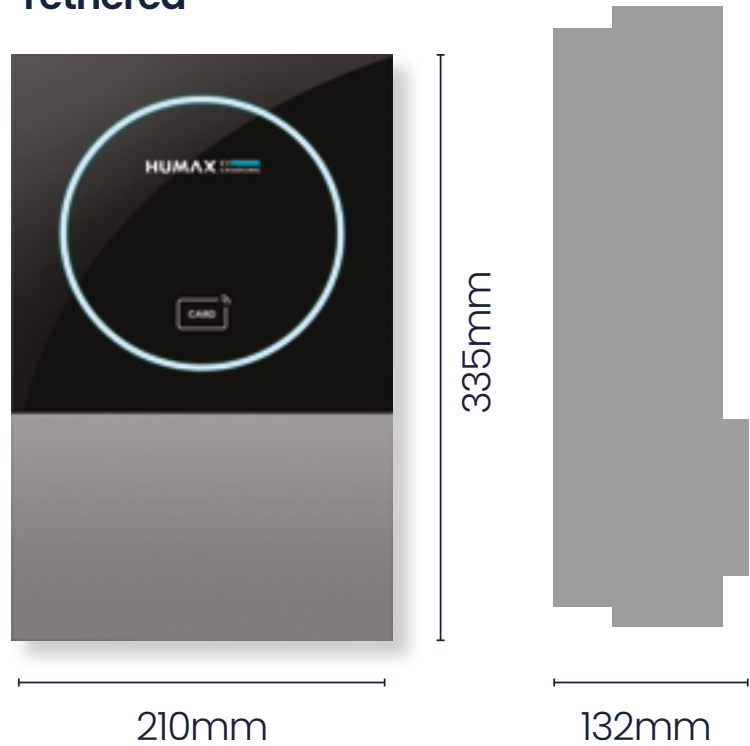
Faster, more accurate, and standardized installation with step-by-step guidance.





# Specifications

Tethered



Socket



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	335mm x 210mm x 133mm	335mm x 210mm x 144mm
	Package Dimension	460mm x 329mm x 276mm	460mm x 329mm x 183mm





# 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



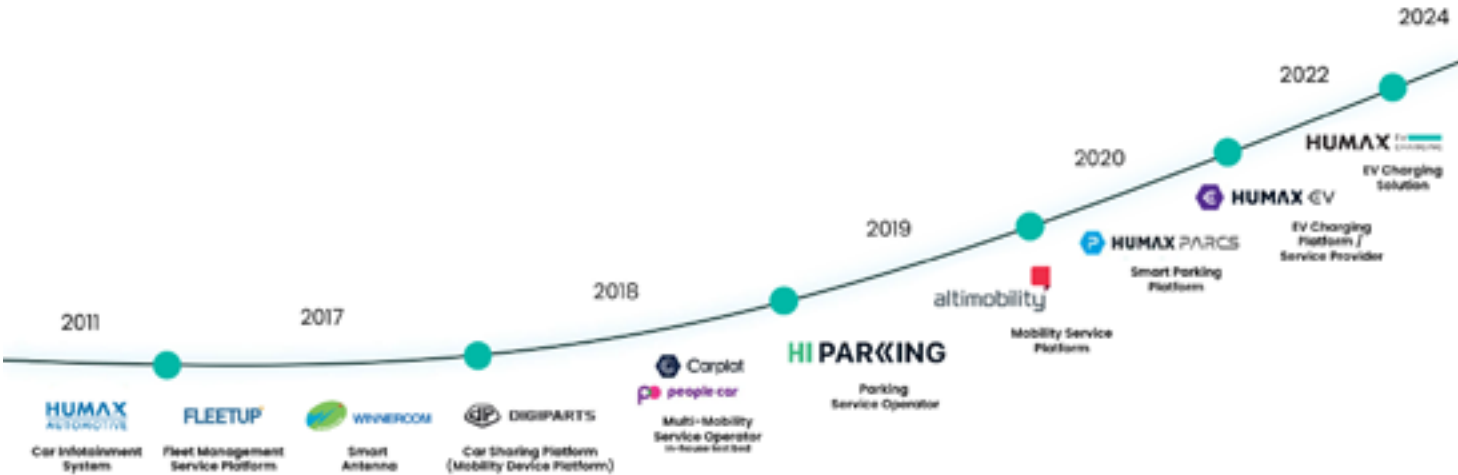
Compatible with all EVs  
and PHEVs



Fully compliant with  
UK regulations



**4.6** ★★★★★  
Excellent 3k reviews





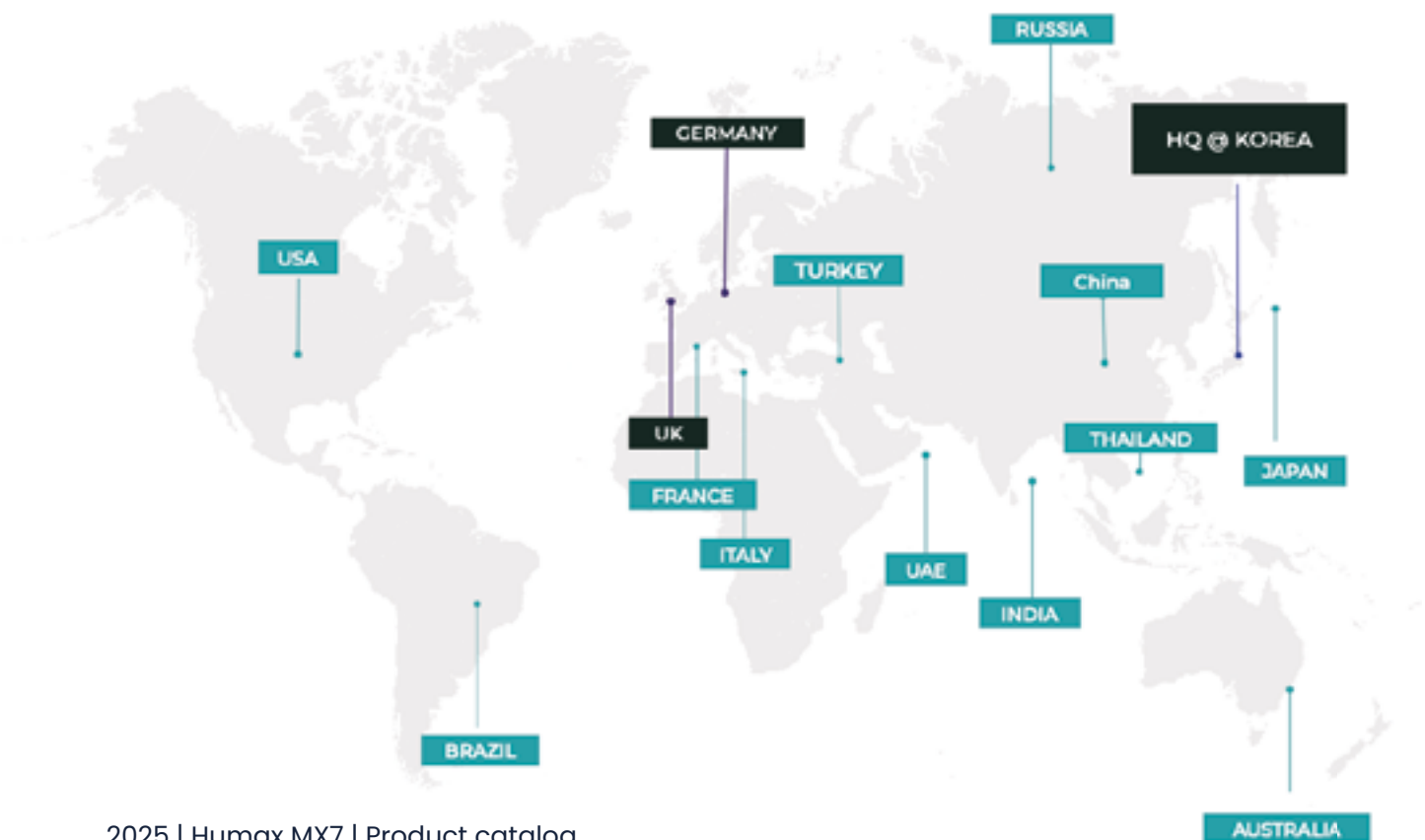


# Global Brand

## 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.









**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](mailto:sales@humaxcharging.com) | Phone : 0208 326 6000

The Mille, Great West Road Brentford, TW8 9DW  
[humaxcharging.com/uk](http://humaxcharging.com/uk)