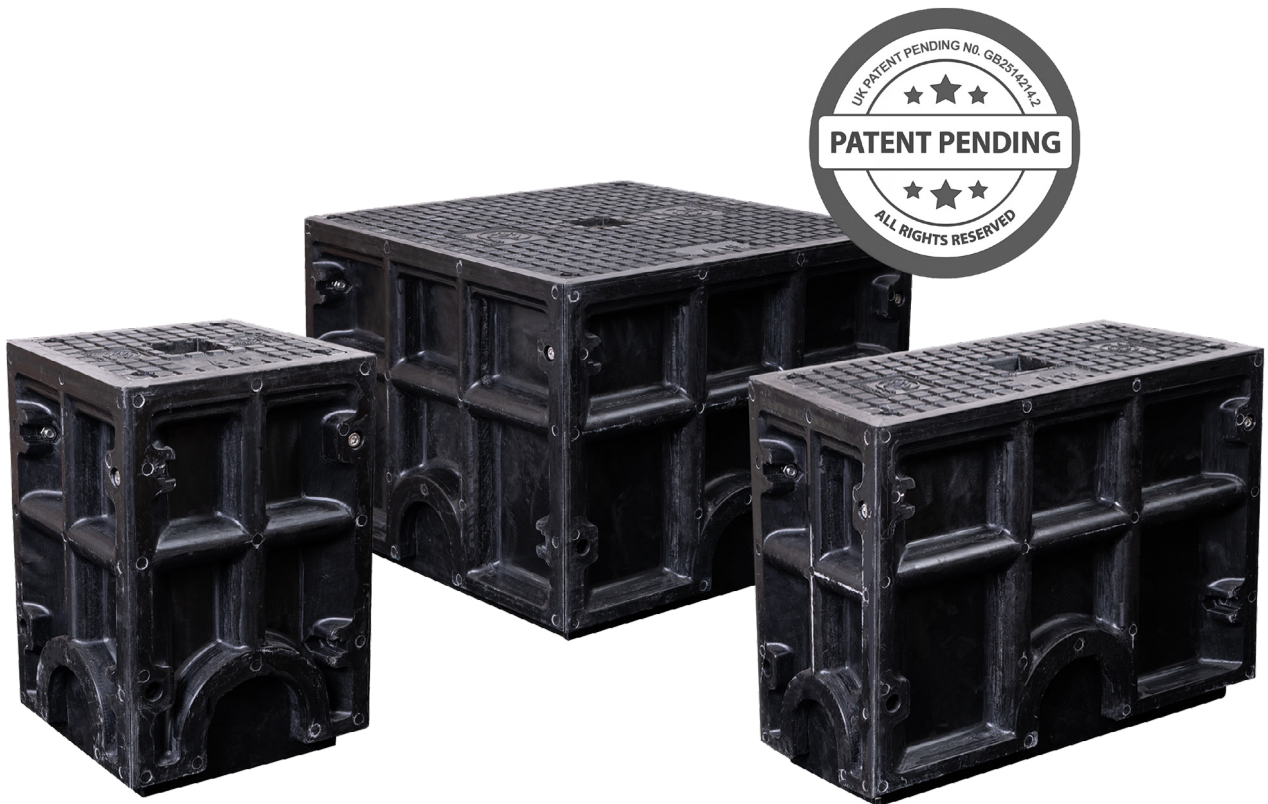




Charge-M8 EV Kube®

FAQs



www.charge-m8.com

1. Product Performance & Durability

What materials is the EV Kube® manufactured from?

The side panels are manufactured from Bulk Moulding Compound (BMC), while the top cover is manufactured from Dough Moulding Compound (DMC). These high-performance composite materials are widely used in demanding outdoor and electrical applications because of their strength, corrosion resistance, dimensional stability and long-term durability.

How durable is the EV Kube®?

The EV Kube has been designed for long-term outdoor use using high-performance composite materials selected for their structural strength, corrosion resistance and weather durability. These materials have an established track record in demanding outdoor electrical and infrastructure applications.

How long is the expected service life?

The selected material system has an established performance record in outdoor electrical and infrastructure applications. The EV Kube carries a 3-year warranty against manufacturing defects and has an expected service life of more than 10 years.

Is the EV Kube® as sturdy as a traditional concrete foundation?

Yes. The Charge-M8 EV Kube has been engineered to provide a secure, durable foundation for EV charging infrastructure. Manufactured from high-strength composite materials, EV Kube has been independently assessed by the University of Manchester under a range of ground conditions and loading scenarios to support safe and reliable installation.

What weight can the EV Kube® support?

Each EV Kube size has been tested to meet the A15 loading classification and is capable of supporting continuous loads of up to 1,500 kg (peak test load 2,250 kg).

Is the EV Kube® electrically safe?

Yes. The composite construction is inherently non-conductive and provides excellent electrical insulation properties. BMC and DMC composites have been widely used for many years in electrical cabinets, utility enclosures and similar infrastructure applications because of their dielectric performance and durability.

Does the EV Kube® require maintenance?

The composite construction is resistant to corrosion, moisture and weathering, reducing the need for maintenance throughout its operational life.

How does the EV Kube® differ from other plastic-based foundation systems?

The Charge-M8 EV Kube is manufactured from high-performance Bulk Moulding Compound (BMC) and Dough Moulding Compound (DMC) composites, which provide excellent structural strength, impact resistance and long-term durability. Unlike many thermoplastic foundation systems, the EV Kube uses thermoset composite materials that are engineered for demanding outdoor and electrical infrastructure applications.

2. Sustainability

Why are more organisations considering alternatives to concrete foundations?

As EV charging infrastructure continues to expand, organisations are looking for solutions that can be installed quickly, minimise disruption, support sustainability objectives and reduce whole-life costs. Modular foundation systems such as the Charge-M8 EV Kube have been developed to address these requirements while maintaining the structural performance needed for EV charging installations.

Is the EV Kube® recyclable?

Yes. Both the BMC and DMC components can be mechanically recycled through established composite recycling processes as the EV Kube uses no internal steel reinforcement. Recovered material can be reused as filler within new composite products or recovered through approved cement manufacturing processes. The stainless-steel fixings are recyclable where suitable recycling facilities exist.

Does the EV Kube® support ESG and sustainability objectives?

Yes. The EV Kube has been designed around the principles of durability, resource efficiency and the circular economy. Recyclable composite materials, reduced reliance on concrete foundations and Charge-M8's Return-to-Depot Recycling Scheme all contribute to its environmental credentials.

3. Installation

Is the EV Kube® as easy to install as a concrete foundation?

The EV Kube is designed to simplify installation. Unlike traditional concrete foundations, it requires no wet-pour concrete, curing time or heavy precast blocks. Its lightweight modular design enables fast assembly, reduces manual handling risks and can typically be installed using a single installer, subject to site-specific risk assessment.

How does installation compare with concrete?

Traditional concrete foundations often require excavation, formwork or precast units, concrete delivery, curing time and return visits before equipment can be installed. The EV Kube arrives as a flat-pack modular system that can typically be assembled and installed during a single site visit, with no concrete mixing or curing delays.

Can the EV Kube® be installed by one person?

Yes. All EV Kube models have been designed so that individual components weigh less than 20 kg, allowing single-person assembly in accordance with the Charge-M8 installation methodology, subject to site-specific risk assessment.

Can installations continue during bad weather?

Unlike wet-pour concrete, the EV Kube does not rely on curing before equipment can be installed. This helps reduce weather-related delays that can affect traditional concrete installations, particularly during colder months.

Does the EV Kube® improve health and safety during installation?

All individual components weigh less than 20 kg, supporting manual handling guidance and significantly reducing the need for heavy lifting equipment. This helps minimise manual handling risks while improving installation efficiency.

What ground conditions is the EV Kube® suitable for?

The EV Kube has been independently assessed under a range of substrate conditions and backfill methods. Installation guidance helps contractors select the appropriate installation method based on site-specific ground conditions.

Is the EV Kube® suitable for future charger replacements or upgrades?

Yes. The modular design allows future maintenance, replacement or upgrades to charging equipment without the need to remove or reconstruct a traditional concrete foundation. This provides greater flexibility throughout the life of the installation.

4. Ordering & Product Selection

Where can I buy the Charge-M8 EV Kube®?

The Charge-M8 EV Kube is available directly from Charge-M8 or through Kelvelec, Charge-M8's exclusive UK distributor. Any further queries, the Charge-M8 or Kelvelec teams would be happy to assist.

What are the delivery times for the EV Kube®?

In-stock EV Kube products are typically delivered to mainland UK addresses on the next working day for orders received by 3:00 pm. Delivery to the Scottish Highlands, Islands and other remote locations may take longer.

