



Solutions for Electric Vehicle Charging

IMO Precision Controls - 50 Years of Excellence

Our history is one of innovation. Whether it is the first ever BT Type 47 Approved relay or the first ever compact AC inverter for motor speed control, IMO has always been focused on breaking barriers. With rigorous standards of development, reliability testing and production control complemented by all the most relevant independent approvals, IMO remains the no-compromise choice.

As a world leader in the solar industry with many global OEMs using our DC switching and isolation technology, IMO is pleased to introduce its EV Protect range specifically designed to meet the requirements of the Electric Vehicle market.



For The EV Installer

MCBs

Miniature Circuit Breakers protect from over-current and short circuit situations to safeguard assets from risk of damage from overheating and fire.

In accordance with IEC 60898-1.



RCDs

Residual Current Devices protect personnel from contact with live or damaged wires and components by disconnecting power when an earth leakage current is detected. Standard AC and Type B available.



RCBOs

Residual Current Circuit Breakers with Overcurrent Protection combine the functions of an MCB and RCD to provide all-round protection in a compact package.

In accordance with IEC 60898-1.



Enclosures

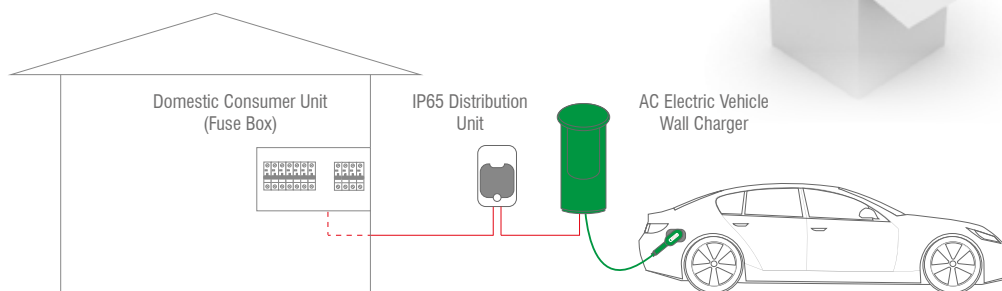
Complete range of metal and plastic (ABS or Polycarbonate) UL approved enclosures for integration with EV wall charger units and charging piles.



Introducing the Ready-to-Install Solution

EV Installer Kit

A simple one-stop solution for installers is the EV Installer Kit which comprises of a single distribution unit enclosure (either a metal or plastic - ABS or Polycarbonate - dependent upon requirement) and an RCBO, under a single part number.



For The EV Charging Manufacturer

MCBs

Miniature Circuit Breakers protect from over-current and short circuit situations to safeguard assets from risk of damage from overheating and fire.

In accordance with IEC 60898-1.



Contactors

IMO's range of Modular Contactors offer control and switching of charging current flow. High reliability for faultless switching. Full range of accessories and options available including PCB mounting.



RCBOs

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RCDs

Residual Current Devices protect personnel from contact with live or damaged wires and components by disconnecting power when an earth leakage current is detected. Standard AC and Type B available.



Relays

IMO's Power & Control Relays offer control and switching of charge monitoring electronics and control systems, together with power circuits.

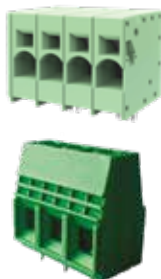
IMO Relays carry UL and VDE safety approval ratings.



PCB Terminals

High current / voltage PCB mount terminals for incorporation into charge power control systems.

Including standard types for signal and interface wiring and connection.



PSUs

IMO's range of UL approved modular power supplies offer high efficiency, universal input and IMO's 3 year warranty.



DIN Terminals

Quick and easy connection of components, with Push Fit and Spring Clamp options alongside traditional Screw terminals.

High current / voltage parts available.



AC/DC Isolators

IMOs AC & DC Isolators offer robust, lockable power isolation for safe and controlled maintenance and repair activities.

IMO Isolators carry UL safety approvals.



Branch Isolators

Of modular design, IMO branch isolators are robust and offer power isolation, mounted on a DIN rail.



Cable Glands

Quickly and easily finish off enclosures with IP68 rated glands to protect supply and charging cables.



EV
PROTECT

www.imopc.com

Leaders In Solar Safety

As a long established leader in the renewable energy sector, IMO has been pioneering solar energy technology for years. From the first TRUE DC isolator, now used by OEMs and installers around the world, to the first panel level rapid shutdown device offering both manual and automatic temperature shutdown, to the first off-the-shelf solar tracker making precision dual-axis tracking technology simple and accessible - IMO technology keeps renewable energy moving forwards.

FireRaptor

The ultimate solar panel rapid shutdown solution which gives 3 forms of emergency rapid shutdown to ZERO VOLTS. FireRaptor offers a manual shutdown using a "one push" button, for emergency access. It also offers an automatic emergency shutdown if it detects an ambient temperature above of 85°C (185°F) and an automatic shutdown if there is a disconnection of the external AC power supply.



DC Solar Isolators

IMO's range of TRUE DC isolators have been specifically manufactured to ensure the safe and effective isolation of DC voltages within all kinds of solar panels and installations. These high-end DC isolators are fully certified and are developed to UL standards

With over 5 million installed units worldwide, and ZERO reported electrical failures, the SI and SIM ranges from IMO are amongst the safest in the world.



Solar Cube

The IMO Solar Cube is an off-the-shelf precision solar tracking solution. Developed as a ground breaking, easy to set up solar tracker and measurement controller with the flexibility to adapt to any installation, the Solar Cube tracks the sun's movement and provides optimum panel (or array) positioning. The Solar Cube calculates the 'zenith angle' and the 'azimuth angle' to specify the position of the sun in the sky to within 0.01°.





Value Added Services

IMO is about far more than just the finest products. We succeed through the success of our customers, so we are always looking to improve your efficiency and competitiveness, and our EV Charging Solutions offering is no different.



IMO's Value Added Assembly Division will help you to reduce your stock levels by negating the requirement to hold and assemble individual parts. As part of supplying you with a total solution, we will merge the individual components required as a single SKU, which will also help streamline your inventory management. This helps reduce your costs whilst increasing your productivity, plus it offers the added benefit of peace of mind, as all solutions are assembled to the highest levels of quality, reflecting the quality of all IMO products.



Custom Cable Solutions

Built to your specific requirements, supplied to you under a single part number, utilising certified wiring and components where required, providing you with top quality, competitively priced subcontracted solutions. However simple or complex the cable solution you require, built entirely to your exact specification and prepared the way you want it, IMO is your supplier of choice.



We offer prepared cables, cable assemblies and cable harnesses, with or without crimps, terminations and housings, with no volume too high. We extrude and produce many common types of certified or non-certified equipment cable, in a selection of materials including PVC, Teflon™ and silicone.

- ✓ **No Tooling Investment**
- ✓ **No more inventory management**
- ✓ **No more crimping and assembling**
- ✓ **Huge time & cost savings**

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