

EV Chargers

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An Electric Future, Together

Australia is committing to a future with a de-carbonised grid and one of the most rapidly growing sectors is low emissions transport as the community adopts the use of electric vehicles (EV's). Fuseco is proud to be contributing to changing energy management demands by offering a range of class-leading EV chargers from Sinexcel.

Why Sinexcel?

To produce an EV Charger that has the necessary durability and reliability to be selected as the EV charger of choice for major infrastructure projects by some of the world's prominent engineering firms, you need to have some experience. Sinexcel have been manufacturing EV chargers for over 10 years with over 21,000 EV chargers and over 400,000 EV Charger Modules sold in over 50 countries.



Easy to Monitor & Control via the App



Manage Charging Schedule

Schedule the charging of your EV at off-peak hours & save electricity costs.



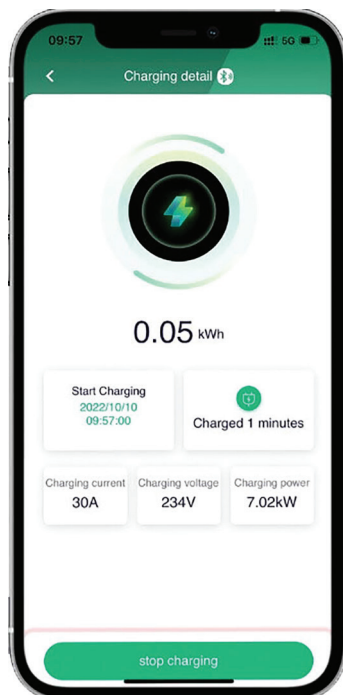
Authorisation Control

You can give authorisation to other people to use your EV Charger.



Charging Status

Monitor the charging activity in real-time and view the charging sessions and charging reports.



Parameters Setting

Set the network parameters and charging parameters to suit every charging situation.



Charging Modes

Select the mode to suit the requirement (eg. Plug & Charge, Remote Start/Stop, etc.)



Wireless Communication

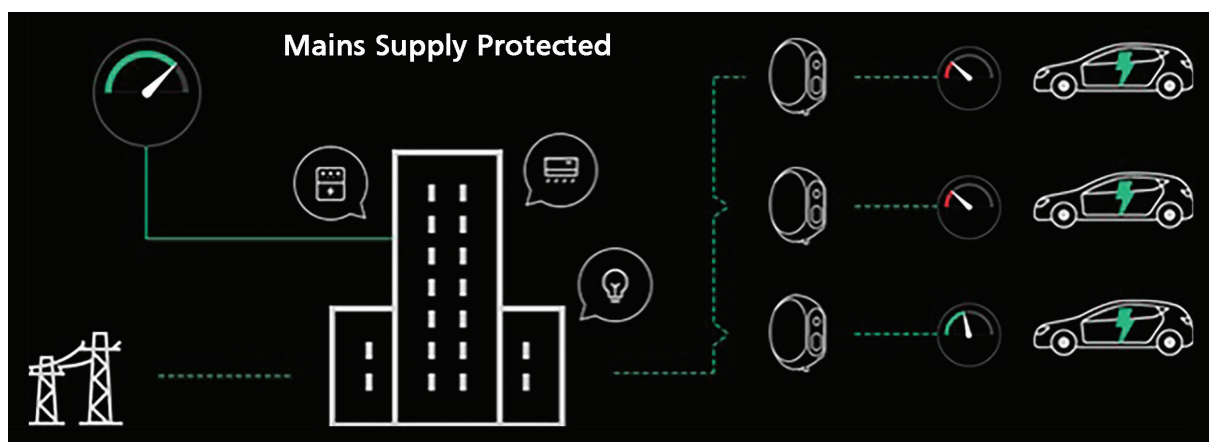
If you have a Bluetooth connection, you can upgrade the EV charger configuration or firmware when required.

What is DLM

Dynamic Load Management (DLM) is a smart energy management tool that ensures that the available power is evenly distributed to all the EVs being charged simultaneously and that charging performance does not exceed available network capacity. It considers electricity price, current time, building power consumption, EV charger power consumption, etc and defines the real-time power distribution strategy for all chargers connected, thus achieving an optimised charging process.

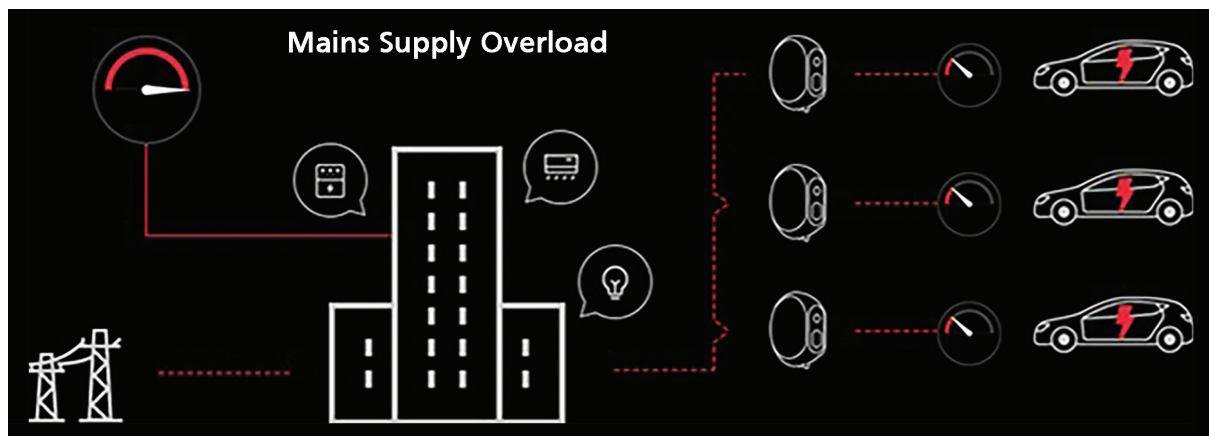
With DLM

- Optimised Charging
- Available power is managed efficiently



Without DLM

- No adjustment according to available power
- Mains supply is overloaded



Mira 7kW AC Charger

The Mira is an intelligent AC charger designed for residential charging use. It features an attractive, compact design with a maximum output of 7kW and class-leading technology that delivers energy cost savings. The Mira is intuitive, easy to use and simple to install and maintain. Simplicity, performance, peace of mind.

- ✓ 7kW level 2 AC Charger 32A (Single Phase)
- ✓ Compatible with all electric vehicles and plug in hybrid vehicles
- ✓ Ideal for private charging (garage) & workplace charging (parking lots)
- ✓ Plug & Play Ease of Use



Key features

- **Appearance**
Streamlined design with choice of silver, white or black colours.
- **LED Charging Status Indication**
- **Earth Leakage Protection (Built-in RCD)**
- **Use APP to Monitor & Control**
Change charger configuration via smart-phone app. Future proof flexibility with "Sinexcel AC" Smart-Phone App providing configuration and remote software updates. Available for Android and IOS.
- **Environmentally Friendly Materials**
The enclosure is made of PC+ABS environment-friendly materials, which makes the charger scratch-resistant, corrosion-resistant.
- **Weatherproof and Impact Resistant**
Industry leading IP65 & IK09 rated allowing reliable operation in harsh conditions.
- **Multiple Charging Modes**
APP, RFID, Plug & Charge plus many more.
- **Cable or Socket Versions Available**
- **3 year Warranty (extendable)**
- **Plug & Charge Mode for Optimised Charging**
The Plug & Charge mode can be set via the APP for quick and easy charging in private use.
- **RFID Card Facility**
Start and stop charging by swiping the RFID card to prevent unauthorised use.
- **DLM system**
Compatible with DLM system, supports power distribution function & Automatic Power Off (Stops charging automatically when the EV is fully charged and protects the EV battery from overcharging).
- **Bluetooth**
Change Charger configuration via smart-phone app.
- **Extensive Safety Protection Features**
Built-in protection from Short Circuits, Over/Under Voltages, Overcurrents, Backflow, Lightning, Earth Faults, Over/Under Frequencies & Flame/Fire.

Streamlined Design and Build Quality

Charging status visible via large LED strip.



The enclosure is constructed from PC+ABS environment friendly materials, providing for scratch & corrosion resistant performance and enabled for indoor and outdoor use.

Specifications

Type	
Rated Power	7kW
Installation Options	Wall-Mounted / Floor-Mounted
Output Voltage	Single-Phase 230V(±10%)
Output Current	32A
Connector	IEC Type 2
Frequency	50Hz / 60Hz
Charging Status	LED
Charging Mode	Plug and Charge/ RFID/ App
Metering	On-board metering (level B ±1%)
Standby Power Consumption	≤ 3.5W
Power System	TN-CS, TN-C, TN-S, TT
Connection	Wi-Fi, Bluetooth, 4G (optional)
Communication Protocol	OCPP1.6 (can be upgraded to 2.0)
Operating Temperature	-30°C ~ 55°C
Working Humidity	5% - 95%
Enclosure Ratings	IP65 / IK09
EMC	Class B
Altitude	< 2,000m
Earth Fault Protection	Integrated PEN fault device
RCD	Built-in type A+DC 6mA
Certification	CE / TUV mark / TR25 / RCM / UKCA
Dimensions	200mm(W) x 385mm(H) x 145mm(D)
Weight	Socket version (2.35kg) Cable version (2.5kg)

Interstellar 7kW/22kW AC Charger

The Sinexcel Interstellar is an intelligent, flexible AC charger which features an attractive, compact design with a maximum output of 7kW (single phase) for residential use and a version with maximum output of 22kW (three-phase) for commercial use. Providing an enjoyable and easy user experience, it is the premium choice for home, work, garages, parking lots, fleets and commercial applications.

- ✓ 7kW (single phase) / 22kW (three phase)
- ✓ Wall and floor mounting options
- ✓ Ideal for private charging (garage) & workplace charging (parking lots)
- ✓ Plug & Play Ease of Use



Features

- 7kW and 22kW options give great charging flexibility.
- Available in wall-mounting or floor-mounting (pedestal) configurations.
- IMD technology results in a scratch & corrosion resistant case with longer service life.
- Colour-coded charging status.
- SMART functionality for optimum charging & DLM capability.
- High quality touch-screen option.
- Intelligent cable management system.
- IP65 rated dust-proof and water-proof technology.

Benefits

- User friendly interface design.
- Type 2 connector is compatible with all electric vehicles and plug-in hybrid vehicles.
- Plug & Charge, APP and RFID charging methods.
- Future proof flexibility with App & remote software updates.
- Multiple Connectivity Options – W-Fi, Bluetooth, 4G & Ethernet.
- Sinexcel App with industry leading functionality.
- Built-in protection from Short Circuits, Over/Under Voltages, Overcurrents, Backflow, Lightning, Earth Faults, Over/Under Frequencies & Flame/Fire.
- 3 year warranty (extendable).

Charging Power

7kW/11kW, 22kW three power rating configurations

Available in a type 2 connector

- **7kW**
Charge an electric vehicle up to 3 times faster than a standard socket
- **22kW**
8 times faster than a standard socket



Specifications

Type	Interstellar: Single Phase - Residential	Interstellar: Three Phase - Commercial
Rated Power	7kW	22kW
Applications	Residential	Commercial
Input / Output Voltage	Single-Phase 230V	Three-Phase 400V
Input / Output Current	32A	32A
Weight	5kg	7.5kg
Display Options	With / Without LED Display	With / Without LED Display
Dimensions (mm)	406mm(W) x 162mm(D) x 450mm(H)	406mm(W) x 162mm(D) x 450mm(H)
Frequency	50Hz	50Hz
Connector	IEC Type 2	IEC Type 2
Cable Length	3m (5m optional)	3m (5m optional)
Charging Status	LED	LED
Charging Mode	Plug and Charge	Plug and Charge
Metering	MID Meter (optional)	MID Meter (optional)
Installation	Floor-mounted / Wall-mounted	Floor-mounted / Wall-mounted
Communication Method	-	LAN / 4G / WiFi (Optional)
Communication Protocol	-	OCPP1.6 (Can be updated to 2.0)
Protection Rating	IP65/IK10	IP65/IK10
Operation Temperature	-30°C to 55°C	-30°C to 55°C
Operating Altitude	<2,000m	<2,000m
Relative Humidity	5% - 95%	5% - 95%
RCD	Type A+DC 6mA	Type A+DC 6mA
EMC	Class B	Class B
Certification	CE/TR25/TUV Mark/RCM	CE/TR25/TUV Mark/RCM
Colour - Front Panel	White / Silver / Black	White / Silver / Black
Colour - Back Panel	White / Silver / Black	White / Silver / Black

Notes