

Smart Switchboards for Apartment Block EV Chargers

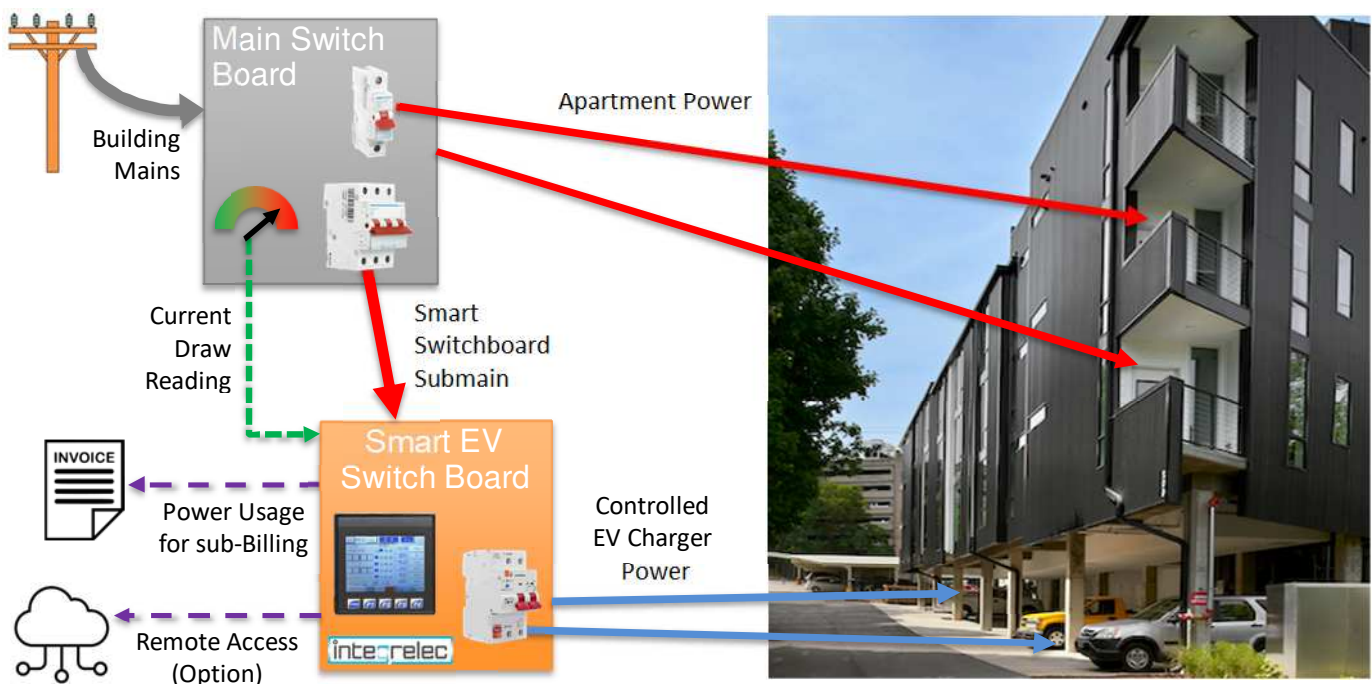
Is your Apartment Block EV-Charger-ready?

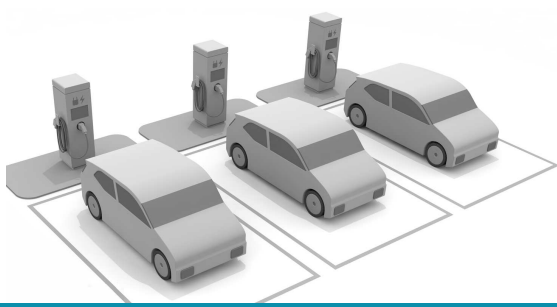
Electric Vehicles are becoming mainstream, and before long every Body Corporate will need to consider how their existing electrical infrastructure will cope when owners and tenants start installing EV chargers in their garages or parking spaces.

Most main switchboards and power connections to apartment complexes were not designed for the large and intermittent power usage of EV chargers, which can easily lead to overloading, inconvenient power outages, and potentially even major infrastructure damage.

The problem can be particularly bad in summer when everyone comes home from work at the end of the day, plugs in their EV and switches on their air conditioners, resulting in a very high peak demand for several hours.

Installing one of our smart switchboards solves this problem by fairly sharing available power, automatically adjusting which chargers receive power at various times, based on the amount of power being used elsewhere in the complex. The system can be fully configured to satisfy the needs of each tenant, such as prioritising particular ones at critical times, and ensuring nobody goes without charge for longer than specified time limits. Power usage data is also available via the touch screen or optional web page, for sub-billing of tenants if required.





Smart Switchboards for Apartment Block EV Chargers

The Benefits

- Dedicated switchboard for connection of all EV chargers in complex, with space for future expansion, with costs spread out over time.
- Supports all types and sizes of EV chargers (including fast chargers), and even other loads such as pool pumps, and air-conditioners.
- Does not require chargers to be connected to a communications network or central server, but can support such platforms if required.
- Power usage is recorded for each load, and can be used for sub-billing of tenants.
- No ongoing subscription fees for standalone switchboard.
- Optional remote data collection/management is available for low monthly fee.
- Can be integrated with fire alarm panel to isolate chargers upon smoke detection
- Interoperable with solar and battery storage systems to maximise site-produced power
- Built for Australian conditions. Meets AS3000 and AS61439 standards.
- Future-proofed solution.

Our experienced power engineers and technicians are ready to help you choose a smart switchboard to suit your needs



Typical floor-mounted installation for large apartment complex.

Typical wall-mounted installation for small apartment block.

