



What EV Charger can I install..?

The biggest factor that will affect your choice of EV Charging Point will be the available electrical capacity at your property. Most stand-alone domestic properties have a Single-Phase electrical supply of 230V and can support an EV Charge Point up to a capacity of 11kW, dependant upon the Amperage value. The current most popular EV Charge Point capacity is 7.0kW.

All 7kW EV-chargers require a minimum of 9kW electrical supply and at least a 32Amp primary fuse capacity. This information can be obtained by looking at the labels on your fuse box and your electricity meter.

If you have any doubt, then please phone us or email photos to hello@ev-pow.com - we are happy to assist.

Your Property Primary Fuse	Your Property Incoming Power (Estimate)	What Charger? Charger Power Options	Charge / Hour (Estimate)
Single-Phase 32 Amp Fuse	7.4 kW	3.6 kW	25km / hour
Single-Phase 40 Amp Fuse	9.2 kW	3.6 kW / 7.2 kW*	25 / 50km* / hour
Single-Phase 60 Amp Fuse	13.8 kW	3.6 kW / 7.2 kW / 11 kW*	25 / 50 / 75km* / hour
Single-Phase 80 Amp Fuse	18.4 kW	3.6 kW / 7.2 kW / 11 kW	25 / 50 / 75km / hour
Three-Phase 80 Amp Fuse	55.4 kW	7.2 kW / 11 kW / 22 kW	50 / 75 / 150km / hour

* Where multiple kW rates are quoted - the higher value is over-night only due to load capacity.
The above information is for basic guidance only. For a more advance calculation, please refer to our 'Site Survey Guide'.

Need more accurate advice?

For a more accurate recommendation, it will be necessary to assess every property individually. This can be easily established by looking at your fuse box and your electricity supply meter, and then factoring your current power usage. You will then be able to identify what remaining capacity is available and a suitable EV Charge Point power rating. This can be achieved yourself by following our 'Site Survey Guide', or EV-Pow.com will be happy to assist you - please contact us by phone or email.

Automatic Load Management (ALM).

It is important to note that all EV Charge Points supplied by EV-Pow.com have integrated ALM (Automatic Load Management) software installed as standard. As such, the unit will 'scan' what power is available to it after all your usual domestic appliances have been provided for, and will only use up to this level of available power. This will avoid the occurrence of power outages.

However, if the available power for use by the EV Charge Point is less than the kW rating of the unit, it will affect the achievable rates of charge / hour. For example, a 7.2kW unit may only be able to charge at a rate similar to that of a 3.6kW charger, if it cannot source 7.2kW of available power. EV-Pow.com therefore recommends to complete an accurate calculation of available power, in order for you to select the most appropriate charger for your property.

Get in touch.

hello@ev-pow.com

To find out how EV-Pow.com can provide your tomorrow. Today.