How to choose your Car Charger

5 simple questions to get to the product code you need

Q1: Socket or Tethered

From a Physical perspective there are two main forms EV Chargers come in. These are Socket only or Tethered.

Socket Only means that the car owner needs to use their own cable to plug in at the car side and the charger side.

**Be aware also that the new Electric Vehicle does not always come with a Mode 3 cable. It will always have an Emergency cable (Granny cable) but not a fast charging cable.

Tethered means that the charger comes with a cable permanently attached and the car owner only needs to plug into the car side

**There are 2 types of Socket on the cars Type 1 or Type 2. Always ask which the customers car has.

Tethered Versions – With Cable Attached

BPE ChargeMate:

- 7004180   BPE CHARGEMATE 32A,7.2KW, TYPE2 W/5M CABLE

EVBox Elvi:

- 7004066   7.4KW ELVI EVC- WIFI-6MTYPE 2 LEAD-BLK
- 7004068   7.4KW ELVI EVC-WIFI-6MTYPE 2 LEAD-WHITE

WallBox Pulsar Plus:

- 7004300   PLP1-0-2-2-3-001-C PULSAR PLUS, 7.4KW, 5M T2 CABLE, WHITE
- 7004301   PLP1-0-2-2-3-002-C PULSAR PLUS, 7.4KW, 5M T2 CABLE, BLACK

Myenergi Zappi:

- 7004313   ZAPPI-207TB-ECO-SMART EV CHARGE POINT7 KW V2 TB
- 7004314   ZAPPI-207TW- SMART EV CHARGE POINT 7KW V2 TW

Socket Only Chargers — Car Owner use their own cable

EVBox:

- 7004164 EVBox Elvi V2 Wi-Fi, 22 kW, Black, Sct
- 7004165 EVBox Elvi V2 Wi-Fi, 22 kW, White, Sct

Myenergi Zappi:

- 7004315 ZAPPI SMART EV CHARGE POINT 7KW V2
- 7004316 ZAPPI SMART EV CHARGE POINT 7KW V2

Cable (for use with any socket charger):
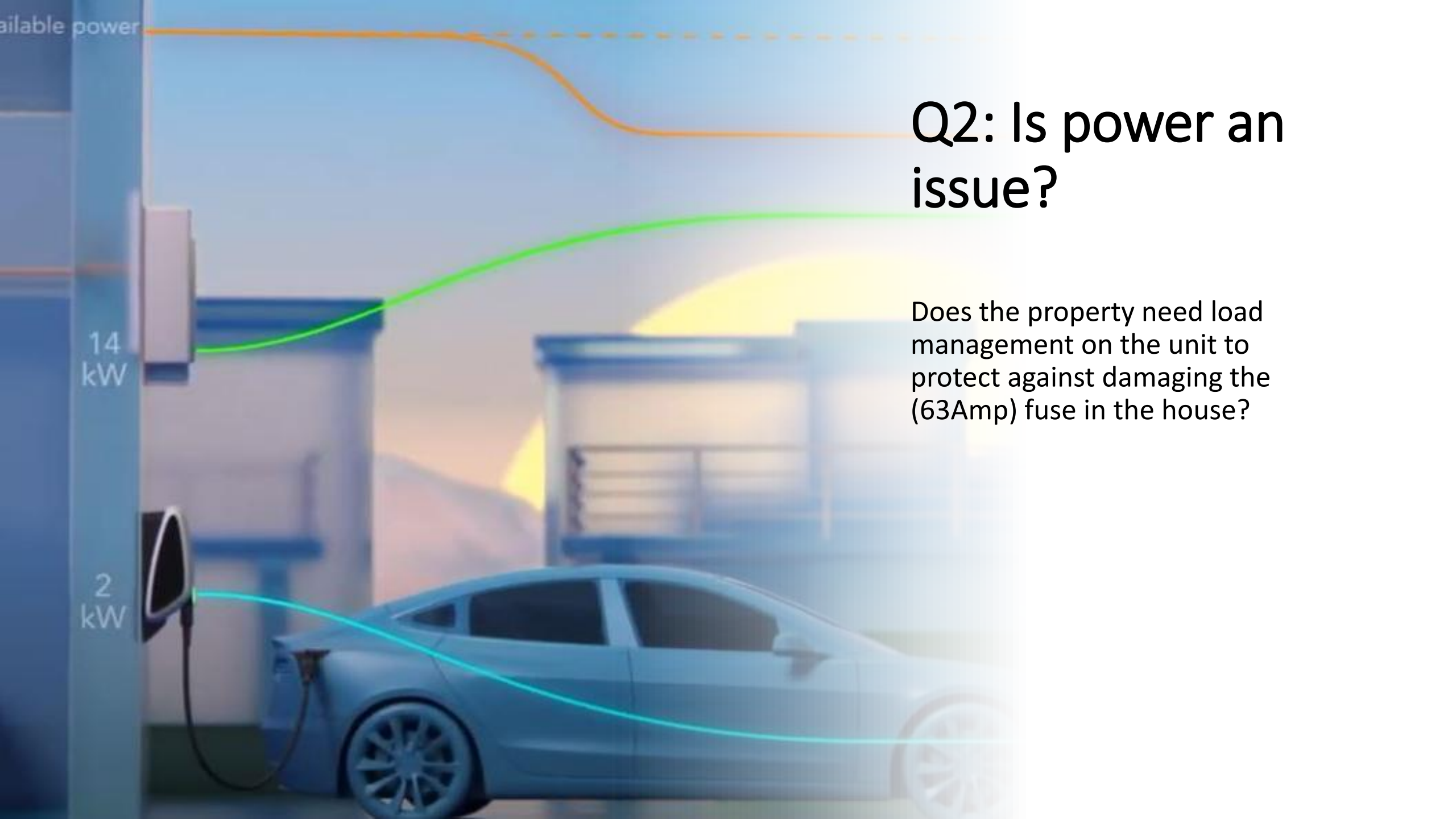
- 7004148 C1326-T2T2 - 7KW 6 METRE CABLE TYPE 2

Q2: Is power an issue?

Does the property need load management on the unit to protect against damaging the (63Amp) fuse in the house?

WallBox – with Load balancing option

Pulsar Plus:

Tethered Only -   7004300 (White) and 7004310 (Black)

Accessories needed for Load Balancing:

- 7004305   WALLBOX POWER BOOST CLAMP
- 7004304   WALLBOX POWER BOOST SINGLE-PHASE METER

Will work with CAT5/6 cable or Belden 8760/9841

EVBox – with Load balancing option

Elvi V2:

Socket Only –   7004164 (Black) and 7004165 (White)

Tethered -   7004064 (Black) and 7004065 (White)

Accessories needed for Load Balancing:

- 7004070   SMARTC-1P100A SMARTC-1P EVBOX SMART CHARGING WITH CT CLAMP

Will work with CAT5/6 cable or Belden 8760/9841

Zappi – with Load balancing

Zappi

Socket only -   7004315 (Black) and 7004316 (White)

Tethered -   7004313 (Black) and 7004314 (White)

Accessories needed for Load Balancing:

- CT Clamp with 5 Meter lead included

- 7004311 HARVI-65A3P- ENERGY HARVESTING WIRELESS SENSOR (3CH 65A)

Does the owner want APP control or access to charging information?

If the answer is Yes then we have three options. the **EVBox Elvi and WallBox Pulsar+ come natively with an APP and the MyEnergi Zappi is APP compliant once the HUB is added to the install.** The Apps will generally give some or all of the following information:

- Feedback on the power going into the car
- Ability to schedule charging sessions for specific times of the day or night
- Access to historical data on charging sessions to be used for expenses etc *
- Ability to remotely access the unit for software updates and troubleshooting
- Add on features such as payment processing etc.

  #features are dependant on unit so if a particular feature is needed please ask the renewables team which unit it comes on.

Options:

EVBox Elvi Tethered:	7004066/8
EVBox Elvi Socket:	7004164/5
WallBox Pulsar +:	7004300/1
Zappi Tethered:	7004313/4
Zappi Socket:	7004315/6
HUB	7004312

Q4: Does the owner wish to use Solar PV to send charge to the car?

If the answer is Yes then we have three options. the Zappi and EVBox Elvi have this function today and the WallBox Pulsar+ will be introducing the PVSentinel feature in Q3 2021.

- The Zappi only needs the CT clamp that comes with the unit to enable this and once Eco or Eco + charging is set, the CT clamp will see any excess power and divert towards the car

- Elvi uses a Smappee Load management HUB that utilises 3 CT clamps to do both Dynamic Load management and divert Excess PV to the car. This units also gives a full overview of energy usage in the home.

Options:

EVBox Elvi Tethered:	7004066/8
EVBox Elvi Socket:	7004164/5
-Smart Charge +	7004071
WallBox Pulsar +:	7004300/1
-Power Boost Meter	7004304
Zappi Tethered:	7004313/4
Zappi Socket:	7004315/6
-CT Included	

Q5: Do you have more than one Electric Vehicle on the same property?

- If so then you will need to manage the power across two or more EV Chargers. As you can only Load Balance one unit on a single phase supply you will need to setup a "Network Of Chargers" and to do this you need the EVBox Elvi V3 (HUB & Satellite).

- A single phase load can be dynamically balanced across up to 11 Chargers giving total protection of the Main Fuse.

Special Order at Present:

E3320-A555X-10   Elvi V3 Hub, 4G, Wi-Fi, kWh, RS485

CM1326-T2   Elvi cable, 1p-32a, 7kW, Type 2,6metre

E3320-A650X-10   Elvi V3 Satellite, kWh, RS485

CM1326-T2   Elvi cable, 1p-32a, 7kW, Type 2, 6metre

Myenergi
Zappi

BPE
ChargeMate

EVBox Elvi

WallBox Pulsar
Plus

**All Kellihers/CT stocked chargers come with a 3 Year Manufacturers Warranty