Operation

As a 'Smart' product, this chargepoint can be operated and/or monitored by a wide range of web enabled devices. Alternatively, it may be operated manually via an RFID card/fob.

1. Refer to the status indicator guide to determine whether the chargepoint is available for use.

Status Indicator Guide		
	Flashing blue light	Ready for charge – cable not connected to vehicle.
	Flashing green light	Ready for Standard Charging.
	Fixed blue light	Cable plugged in but not charging.
	Fixed green light	Charge in progress.
	Fixed red light	Potential earth leak fault detected by the 6mA DC device.
	Flashing red light	Potential Communications Fault.
	Flashing alternate red and green lights	PEN fault detected by the TruePEN device and charging has been stopped. Indication is cancelled when the TruePEN device is reset, and normal operation is restored.
	Fixed amber/yellow light	Firmware update is in progress. Do not interact with the chargepoint until the LED returns to Flashing blue.
	Flashing magenta light	Firmware update has failed. Following reset of charge point, flashes for 20 seconds before attempting update again.
	Flashing alternate red and yellow lights	Over temperature fault.
	No light	No power to the unit or the breaker within the unit has tripped and needs to be reset.
Faults are reported using the standard OCPP codes indicated in the status message, • Under and Over Voltage (PEN), • Power Meter Failure (not being able to read meter), • EV Communications Fault		

2. Make sure the status indicator shows that the unit is ready to charge.
3. Connect the charging cable to the chargepoint (socket chargepoints only).
4. Connect the other end of the cable to the vehicle.
5. Use the mobile application to start the charge session.
6. Alternatively use an RFID card/fob to start the charge session.
    - The chargepoint will issue a 'beep' sound to indicate the card has been recognised and accepted.
7. If you are present when power for charging is made available, the status indicator will change to show a fixed green light.

NOTE: Default Hours and Randomised Delay

Following the initiation of the charge session, UK regulations require chargepoints of this type to apply power for charging during the 'default' (off-peak) hours regardless of when the charge session was initially started. When the off-peak period is reached, power for charging will be applied after a randomised delay of up to 10 minutes. This is to protect the power network from spikes in demand that would occur if thousands of chargepoints are activated at the same time.

If required, charging status may be checked via the smart application.

There is the option to override the default setting and charge during the Peak period, but this may result in higher electricity costs or other 'conditions' applied by the electricity provider.

NOTE: Peak and Off-Peak Charging Hours

As set by the UK government: Currently **Peak Hours =** 8am – 11am and 4pm – 10pm on weekdays.

All hours outside of those shown above are classed as **Off-Peak**.

End a Charging Session

1. A charging session can be ended by any of the following methods:
   - Use the mobile phone application.
   - Place the RFID card/fob (associated with the account) onto the card reader.
   - Remove the cable from the vehicle.
2. Once the cable has been removed from the vehicle…
   - Remove the cable from the chargepoint.
   - Make sure the socket flap is closed when not in use.
   - Store the cable safely and in accordance with the manufacturer's instructions.

NOTE: If the chargepoint has a cable lock facility that permanently secures the plug into the socket, step 2 can be ignored, and the cable can remain connected to the chargepoint.

- Cables should be loosely coiled and hung on a cable hanger with the plug securely inserted into the holster to prevent water ingress.
- Some makes of cable may not be as robust as others. The term 'permanent' means that the cable does not need to be removed after every charge session. However, cables must be unlocked and removed from the socket on a regular basis to check for contamination of the contacts. Unplugging and reconnecting of the plug and socket also helps to ensure a good electrical connection and relieves any strain on the components.