TESIDA

AC Single and 3-phase EVCP Range

TSDACCG201ALM

TSDACCG201RFID4G

TSDACCG005RFID4G

TSDACCT20122RFID4G

TSDACCG00622RFID4G

OGJZTWBG22kW

OGJZTSBG22kW

Manual

SAFETY PRECAUTIONS

WARNING: This manual contains important instructions. When using electrical products, always follow instructions and adhere to all safety precautions.

1. Read and follow all warnings and instructions before installing and operating the charging station. Install and operate only as instructed. Failure to do so may result in limited warranty becoming void, damage or failure to the charging station, or severe injury or death.
2. Only qualified Electricians and professionals must install the charging station whilst adhering to all national and local building codes, current standards and regulations. Before installation a full inspection of the charging station sh ould be carried out to ensure there is no damage prior to installation or use.
3. This charging station is not suitable for use in hazardous locations. Do not install near flammable, explosive or combustible objects and chemicals.
4. Keep the charging station away from children and prevent children from using the device.
5. Do not attempt to put fingers or any other objects into the connector socket. Should the integrated contactor fail, the connector pins may become live.
6. Do not attempt to use the charging station if the tethered or none tethered cord is damaged in any way. This includes kinks or frays to the cable.
7. Do not attempt to use the charging station if the enclosure or the connector socket is broken, cracked, loose, or shows any other signs of damage.
8. Do not attempt to use the charging station if the ambient temperature falls less than -20°C and increases more than +55°C.

Safety Precautions

9. Do not attempt to use the charging station with wet or moist hands. All plugs and connectors should be free of moisture before attempting to connect to the charging station or to the Electric Vehicle.
10. Should the charging station not be operating correctly, disconnect the tethered cord or cord set from the Electric Vehicle and contact an Electrician or professional installer.
11. TESIDA advise at all times to not operate or use the charging station during electrical thunder storms or during other severe weather conditions.
12. Do not attempt to drive the Electric Vehicle whilst connected to the charge station.
13. Ensure the tethered cord or connected cord set cable is positioned so it is not driven over, stood on or positioned in such a way that it could be deemed as a trip hazard. Do not attempt to close a garage or any other door on the tethered cord or connected cord set as this may cause damage to the cable.

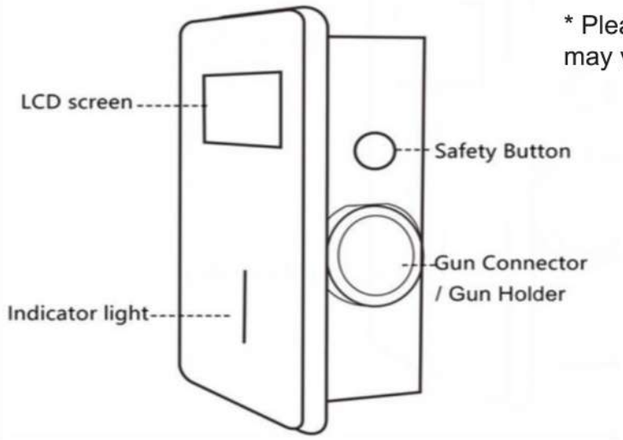
Important: Under no circumstance will the information provided within this TESIDA UK manual provide the user with all applicable safety codes or current safety standards. This document describes the most common installation guidelines and high-lights the safest method of operation. If any situation prevents an installation to be carried out following the procedures provided within this document, please do not hesitate to contact Home & Business Charging Ltd for further guidance. TESIDA UK will not be held responsible for any damages caused to the charging station as a direct result from any installation attempt that is not covered within this document.

Technical Support

For technical support please contact Home & Business Charging Ltd.
Email: support@gochargeev.co.uk
Telephone: 01707 373311

CONTENTS

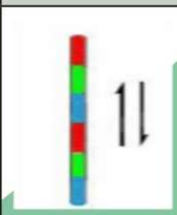
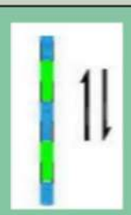
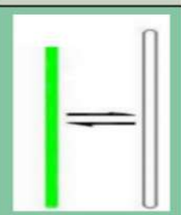
PRODUCT OVERVIEW



* Please note product types may vary, operation is standard.

AC EV Charge Point Features

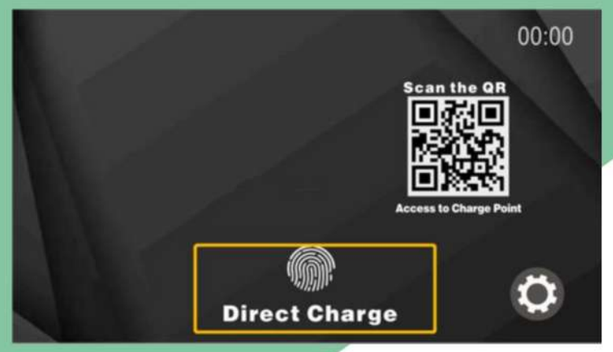
- **LCD Screen** : TFT Backlit interface.
- **Emergency Stop Button** : Ensure emergency stop button is not activated prior to operation.
- **Type2 Gun Connector** : IP54 Spring loaded cover with integral rubber gasket to ensure IP integrity is maintained during use.
- **Indicator Light**: LED charge indicator light clearly displays status of charger.

Status	Searching for WIFI/4G	Gun Connected	Charging	Charging Complete	Fault
LED Indicator					
Description	Flashing red, green and blue	Static blue light	Flashing blue and green	Flashing green light (when WIFI/4G connection	Static red light (Check emergency stop)

OPERATION

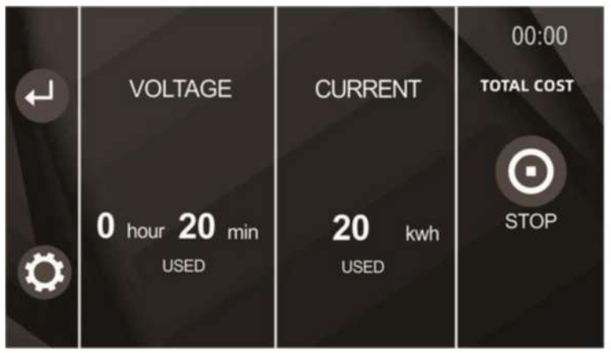
Plug and Play Mode

1. Click '**Direct Charge**' on the screen



2. Follow the directions on screen, plug connector into charge point/EV

3. Charging status is displayed

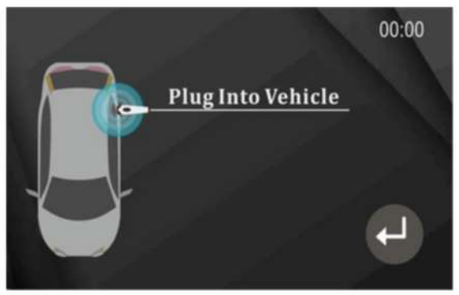


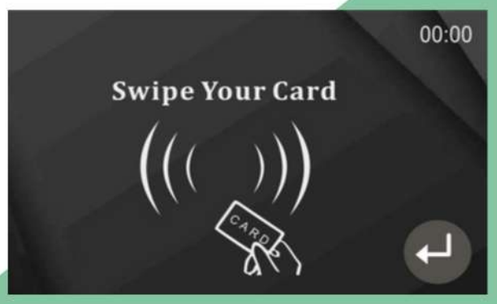
4. To interrupt charge press '**STOP**'

RFID Card Mode

1. Click '**Direct Charge**' on the screen

2. Follow the direction on the screen, present RFID user card to initiate a charge, ensure plug is connected to EV





3. Charging status is displayed

4. To stop the charge, present RFID user card, or select **STOP**' on screen

additional RFID cards are available on request.

WIFI Connectivity

1. Select '**Settings**' cog on standby screen, enter generic factory set 000000 password, select enter to access interface settings

2. Using the left and right cursor select '**WIFI'** to enter SSID and password select WIFI settings (please note no spacebar is available)
3. Fill in the corresponding router username, click 'Enter'; fill in the password, click 'Enter' and then click 'Done'

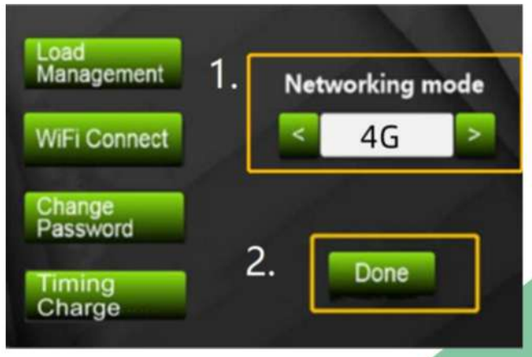
4. Once SSID and password have been entered select '**Done**' Connectivity will be confirmed with a flashing green LED light and a small connectivity symbol

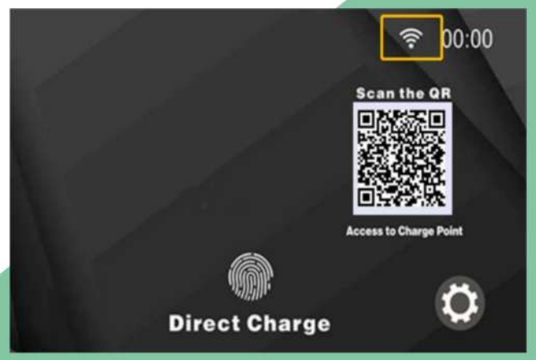
4G Connectivity

NOTICE: Please confirm that your charger has the 4G sim card before setting

1. Select '**Settings**' cog on standby screen, enter generic factory set 000000 password, select enter to access interface settings

2. Using the left and right cursor select '**4G'.** For 4G sim access please refer to pages 10 & 11





3. Once the 4G option has been selected press '**Done**'. Connectivity will be confirmed with a flashing green LED light and a small connectivity symbol

4G Connectivity continued

Congratulations, you are now the proud owner of a Tesida EV Charge Point

In order for your Charge Point to remain compliant we include within this starter pack guide a unique 4G SIM card that will need to be inserted into the Charge Point whilst being installed by a professional

This will allow your Charge Point:

- To meet Government Legislation
- To be controlled and monitored through the smart phone application
- To be available for remote software updates and diagnostics
- To be 4G connected preventing possible virus and firmware issues linked to LAN and Wi-Fi connection

Installer Instructions

- Insert Micro 4G SIM into SIM Card holder (see reverse instruction guide)
- Energise Charge Point
- Scan the QR code on the SIM card with a smart phone
- Proceed to Link / Portal
- Enter Charge Point Serial number / Account number details onto the Portal
- Enter all Installer & Customer details onto the Portal
- Submit details and wait approximately 20 minutes for the 4G SIM to be connected
- Symbol will appear on the TFT touch screen monitor when connection is made
- Once connection is made the customer scans the QR code displayed on the TFT touch screen monitor

This allows the customer to download the MONTA application to operate the Charge Point via their smart phone

Providing the customers email address has been entered correctly onto the Portal - all Warranty, Statement of Compliance and ongoing information will be emailed directly to the customer.

4G Connectivity continued

Inserting the 4G SIM card into the Tesida 4G Charge Point 1. Remove entire SIM Card from outer packaging ensuring to pop out the Micro SIM Card.

2. Whilst Charge Point access door is open, locate the 4G module and SIM card holder.

3. Slide SIM Card holder access door and open SIM card holder

4. Place Micro SIM into the SIM card holder, close access door onto the SIM and slide access door in lock position. When access door locked back in place you will hear / feel a slight click.

Dynamic Load Management

1. Select '**Settings**' cog on standby screen, enter generic factory set 000000 password, select enter to access interface settings

2. Factory set default current is set to 32 Amps (single phase = 7.4kW, 3-phase = 22kW); The max home current should be set as per fuse size. Click 'Back' button once you have set the value, return to the last interface e.g. 32Amps current + 100 Amps max home current would be sufficient for a 100 Amp fuse.

3. Click the 'Done' button to return to the main interface ready to charge For further information please refer to page 13

Dynamic Load Management continued

Guide to program the Tesida EV Charge Point Dynamic Load Management feature 1. Gain entry to the TFT inface menu by inserting the pre-set number code "000000". When within the menu select the Load Management option.

2. When in the Load Management menu, the factory preset settings are 32A and 60A. The top box (32A) represents the charge points output (32A = 7.4kW). This output can be statically reduced by simply selecting 32A, inserting a lower denominator then selecting enter. As an example to reducing this, 16A = 3.7kW.

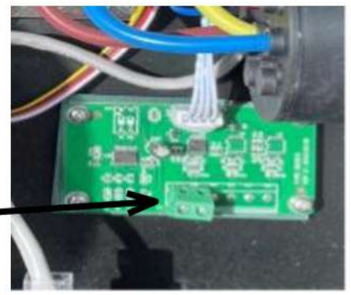
3. The bottom box (60A) represents the settings for the initial fuse size to the building. The 60A figure preset would be a typical setting for a 60A fuse. With 60A set the charge points Dynamic Load Management feature recognizes that 60A is being set as max current for the building. When the charge point is in use and 32A is being maintained for the EV, should the power exceed the max set 60A the Dynamic Load Management feature automatically reduces the charge points output to protect the main fuse. Only when the max home current is reduced will the charge point increase its output rate back to 32A.

When installing the Tesida charge points Dynamic Load Management feature you must always install the CT clamp on the Live supply at the mains. Should the main fuse be less than 100A it is important to reduce the preset max home current to mirror that of the main fuse size. Example to this is a 60A fuse, set the max home current to 60A.

Dynamic Load Management continued

CT Clamp guide for Single & 3-Phase Single Outlet Tesida EV Charge Points 1. CT Clamp connection terminals are located on the PCB bottom right of the Charge Point.

2. CT Clamp terminals are not polarity sensitive so it is not important which way round + - are connected.
Single Phase Charge Points will only have a single pair green terminal block (+ and -) as per image.
3-Phase Charge Points will have 3x single pair green terminal blocks to cater for L1, L2 and L3 CT Clamps.



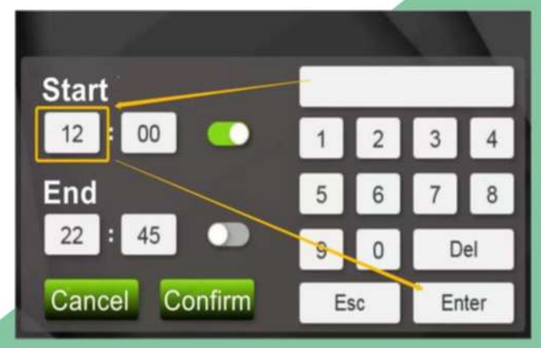
3. CT Clamps are included with the Tesida EV Charge Points, 1x for Single Phase and 3x for 3-Phase charge points.
The hinged CT Clamps are not directional sensitive so can be placed around the Live supply in any direction.

Tesida EV recommend the use of an EV Ultra cable when maintaining the CT Clamps for the Load Management feature. It is important to ensure the CT Clamps are placed around the L1, L2 and L3 Live supply cables in the same direction when installing a 3-phase Tesida charge point.

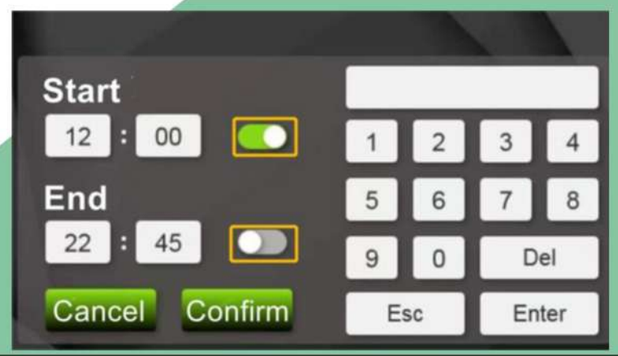
Schedule Charging

1. Select '**Settings**' cog on standby screen, enter generic factory set 000000 password, select enter to access interface settings

2. Click on '**Timing Charge**',within the interface, input the start time (default 24-hour system), you must click 'Enter' after this input is complete. Please repeat this process for end time.



3. To ensure charge point starts and stops as per the perametres set, the toggle switches must be axctivated. Once times are set, select '**Confirm**'



Useful EVCP Charging Information

- All EV charging that maintains a Type 2 AC Plug / Connector is referred to as Mode 3 Charging.
- Type 2 Plugs and Connectors are now standardised throughout the Electric Vehicle manufacturing industry.
- Mode 3 charging is provided as Slow or Fast Charging.
- Slow charging is deemed as Single Phase 3.7kW – 7.4kW
- Fast charging is deemed as 3-Phase 11kW – 22kW.
- Rapid charging is deemed as DC 50kW+
- Any EV charging solution that maintains a 13A 3pin domestic plug top is referred to as Mode 2.

Single phase Application

- Most Domestic Homes are fed from a single-phase consumer unit which is fused at a total capacity of 100A. Some older Domestic Homes are fused at 60A with some Semi-Detached Homes even having a shared 100A or 60A fuse.
- Domestic Semi-Detached Homes with shared fuses must consult their electricity provider before engaging with any EV charger installer or buying into an EV charger.
- All single phase TESIDA Charge Points are factory set to cater for a 32A supply which in-turn provides a 7.4kW per hour charge rate.
- kW is the rate of electricity per hour.
- All true EV's can draw a minimum of 7.4kW charge rate whilst most PHEV (Plug in Hybrid EV's) are only capable of drawing 3.7kW per hour.
- The TESIDA 32A 7.4kW charge point has both static and Dynamic Load Management built in as a feature to prevent the main fuse from overloading. Dynamic Load Management will require the use of the CT clamps (included with the charge point) and an additional twisted pair cable (EV Ultra cable has both Live, Neutral & Earth as well as a Twisted Pair cable). Should an EV Ultra cable not be maintained, the use of an additional twisted pair Belden cable will be suffice.

Numbers

- Single Phase 16A = 3.7kW… .....Approximately 13-15miles per hour charge rate
- Single Phase 32A = 7.4kW… .....Approximately 23-28 miles per hour charge rate

Useful EVCP Charging Information

3-Phase Applications

- Most if not all Workplace, Industrial and Commercial applications will be able to cater for a 3-Phase EV charging solution.
- Each 3-Phase enquiry will differ to the next dependant on the clients EV charger requirements and the contractual power that is available to cater for the EV charge point/s.
- All 3-Phase TESIDA charge points are factory set to cater for a 3-Phase 32A supply which in-turn provides a 22kW per hour charge rate.
- Most EV's will only accept a maximum AC 11kW per hour charge rate. EV's that can accept AC 11kW per hour charge rate generally have an overall kW battery capacity of around 70-80kW.
- Some EV's are capable of accepting AC 22kW per hour charge rate but these are limited in today's market. EV's that can accept AC
- 22kW charge rate per hour generally have an overall kW battery capacity of around 100kW.
- The TESIDA 32A 3-Phase 22kW charge point has both static and Dynamic Load Management built in as a feature to prevent the main fuse from overloading. Dynamic Load Management will require the use of the 3x CT clamps (included with the charge point) and an additional 3x twisted pair cables (EV Ultra cable has both L1, L2, L3, Neutral & Earth as well as 3x Twisted Pair cables). Should an EV Ultra cable not be maintained then the use of an additional CAT5 cable will be suffice.
- For any application that requires a Static Load Balanced solution, this will be managed and maintained by MONTA as part of a
- premium MONTA subscription.

Numbers

- 3-Phase 16A = 11kW… .....Approximately 38-44 miles per hour charge rate
- 3-Phase 32A = 22kW… .....Approximately 75-80 miles per hour charge rate

Tesida EVCP FAQ's

Load Management:

1. Where do I connect the CT Clamp cables in a Single Phase TESIDA charge point?
   The terminals for the single pair are situated in the small PCB at the bottom right of the charge point. The green terminal block is not polarity sensitive, so it is not important which way the pair is terminated.

2. Which direction does the CT Clamp go on the main incoming Live supply?
   The CT Clamp is nondirectional sensitive so it can be installed around the main Live supply cable in any direction. It is important to ensure the CT Clamp clasp is secure around the main Live Supply.

3. Where do I connect the CT Clamp cables in a 3-phase TESIDA charge point?
   The terminals for the three pairs are situated in the small PCB at the bottom right of the charge point. The three pairs of green terminal block are not polarity sensitive, so it is not important which way the three pairs are terminated. Whatever sequence the first pair is terminated the second and third pair must follow the same sequence.

4. Which direction does the CT Clamp go on the main incoming Live supply?
   The L1, L2 and L3 CT Clamps are nondirectional sensitive so can be installed round the main Live supply cables in any direction. Whatever direction the first CT Clamp is installed the second and third must be installed in the same direction. It is important to ensure all three CT Clamp clasps are secure around the main Live Supply.

5. What cable should I use to connect the CT Clamps?
   TESIDA advises the use of an EV Ultra cable for ease of installation. Should an EV Ultra cable not be maintained an additional CAT5 screened cable will suffice. Further instructions on how to connect the CT Clamps are included within this manual.

Tesida EVCP FAQ's continued

LAN Connection:

1. Do I have to maintain the external RG45 socket on the underside of the TESIDA charge point?
   The external RG45 socket is included for rapid convenient installation. Should security be a concern the Cat5 cable can be plugged directly into the charge points server which is located within the unit on the right-hand side of the main PCB. Simply remove the small Cat5 link cable inside the unit, remove the external RG45 socket module and replace this with a Nylon Gland. Once the Cat5 cable is inserted into the charge point, connect an RG45 plug and insert the plug into the charge points server. It is important to select the LAN option on the TFT interface when a hard LAN connection is required.

Wi-Fi Connection

1. My ERiS charge point will not connect to my Wi-Fi?
   To connect the charge point to the Router via Wi-Fi, the Wi-Fi option must be selected on the TFT interface. It is important to ensure that the Wi-Fi Network Name (SSID) and the Wi-Fi password is input correctly into the TFT interface using the dropdown keypad.

2. I have correctly input the details into the charge point via the dropdown keypad within the TFT interface and I still have no Wi-Fi connection?
   Should the details be correct, and the charge point is still refusing to connect TESIDA recommend the use of an additional Wi-Fi extender.

3. I refuse to invest in a Wi-Fi extender, what are my other options?
   TESIDA cannot be held responsible for the lack of Wi-Fi signal. Should a charge point be installed in such a location where Wi-Fi connection may be a challenge, TESIDA recommend the use of a Wi-Fi extender or a hard LAN connection.

4. I have a Wi-Fi signal on my mobile phone, why does my charge point not pick up a similar signal?
   TESIDA charge points comply with the protocol based on the 802.11 IEEE network standard. Mobile phones may operate under a different protocol which will result in them having a stronger signal for true mobility.

4G SIM Connection

1. I have no 4G connection on my charge point?
   Has the micro-SIM been removed from the SIM card holder and inserted into the SIM module with its contacts face down? The location of the SIM module is inside the charge point at the top right of the unit. Further instructions on how to insert the SIM are included within this manual.

2. The micro-SIM is inserted but still the charge point has no connection?
   To activate the 4G SIM you will need to scan the QR code on the back of the SIM card holder. Once scanned using your smart phone camera, a Yesss Electrical portal will appear. It is the installer's responsibility to complete all fields within this portal ensuring the customers contact details have been input correctly. Once completed the submit button is selected. When submitted a notice will appear to confirm the details have been received and the SIM has been activated.

3. I have submitted the details within the Yesss Electrical portal and still I have no 4G connection?
   The initial connection may take more than 15-20 minutes or in very few circumstances longer. Once connection has been achieved the LED light on the front of the charge point will flash green and a fan signal will appear on the TFT touch screen monitor in the top right next to the time. Whilst the charge point is locating the strongest signal from the Dual band 4G SIM, the LED indicator on the front of the charge point will flash Red, Green and Blue.

4. What happens to the connection if the charge point loses its power?
   When re-energized the 4G connectivity is automatically restored within 2-3 minutes.

5. Despite following all the above, the charge point is not gaining a 4G connection?
   The SIM module may have become loose during transportation. Isolate the charge points power supply and very carefully remove the SIM module ensuring not to bend or break the contact pins. Remove the micro-SIM from the module, carefully wipe the SIM contacts and place the SIM back into the SIM holder ensuring the locking panel is securely fastened. Carefully line up and replace the SIM module ensuring not to bend or break any of the contact pins. Once in position press the SIM module down ensuring it is firmly in place. Reenergize the charge point and wait approximately 15-20 minutes for a connection to be gained.

Tesida EVCP FAQ's continued

Connecting MONTA

1. How do I connect the charge point to the clients smart phone?

   Using the clients smart phone scan the digital QR code that is displayed on the TFT touch screen monitor. When prompted download the MONTA app, complete the relevant field within the app and open a MONTA account. Once the account is open follow the below instructions to connect the charge point to the clients smart phone. 1) Open the MONTA app 2) Select Map bottom left of the screen 3) select the small QR code on the top right of the maps screen 4) Select Take a picture of QR at the bottom of the screen 5) Align the white square on the smart phone with the digital QR code displayed on the charge points TFT touch screen. Touch the screen once if the QR code is not visible. 6) Charge point will be recognized 7) Name the charge point, insert the postcode location of the charge point and select the address. 8) finally select connect to MONTA 9) The charge point will now be listed under the header at the bottom of the home screen Chargers

TROUBLESHOOTING & MAINTENANCE

Due to the influence of ambient temperature, humidity, dust and vibration, the electronic and mechanical devices inside the charging station may become faulty. This may lead to failure of the charging station or how it performs. To prevent any possible fault during the warranty period TESIDA UK recommend regular maintenance of the charging station to ensure its normal operation, service, and life span. **Only Electricians or qualified professionals must perform the contents of this chapter.**

- Do not leave screws, gaskets and other metal parts in the charging station during installation or maintenance work. After any maintenance check, the charge station must be left fully operational unless a fault is detected.
- Charging station must be fully isolated for at least 15 minutes before any maintenance or fault checks are carried out.
- During fault checks or any maintenance procedures, necessary measures should be put in place to prevent the charging station from being accidently energised. Safety lock off devices should maintained at all times to prevent possible electric shock.

Maintenance Subject	Maintenance Period
Check cables and connections regularly: check whether all cable connections are loose and tighten them if needed. Check whether the connection terminals and insulation are discoloured or damaged. Replace damaged, faded or corroded terminals and any damaged supply cables.	12 months
Check all warning labels, stickers are firmly in place and fully legible and replace if necessary.	12 months
Check the function of each switch regularly. Check the function of switches, contractors and other switch devices in the line regularly to see whether there is damage or any possible metal corrosion.	12 months
Periodically check the emergency stop button function functions correctly (where applicable).	12 months
Periodically check if there is any abnormal sound during the operation of charging station.	12 months

Errors & Maintenance

Common Faults & Solution Direction

- Do not operate the charging station if it is displaying a fault through the back lit LCD TFT screen, the LED charge indicator light or an onboard alarm. Try to reset the charge station by switching off and on, if problem remains contact installer.
- Only operate charging station according to the direct instruction of the charging station.
- In case of an emergency or concern press the emergency stop button. All charging will stop immediately. Disconnect from Electric Vehicle and try to reset the charging station by switching off and on, if problem remains contact installer.
- When the charging station has a fault or alarm, the fault and alarm information can be identified by viewing the historical information.
- If no fault can be identified by the installer or the historical information data page within the charge station, TESIDA UK advise that a manual note of the fault detail is recorded, and contact is made with MONTA customer service / TESIDA UK Customer Service.

Disposing of unwanted, faulty or damaged Chargepoints

- Find the correct Recycling centre and hand the unwanted Chargepoint in.
- Never dispose of an unwanted, faulty or damaged Chargepoint through Domestic Waste Cycle.
- More information on this topic can be found at https://newtechrecycling.com

TESIDA

Untethered Wall Box

7.4kW 16/32A

CE

TYPE 2
Connector

IP65 RATED
Waterproof

IK10
Impact protection

TESIDA

Untethered Wall Box

7.4kW 16/32A

Part No.	Description
TSDACCG201ALM	Tesida Untethered 7.4kW/32A
TSDACCG201RFID4G	Tesida Untethered (Type 2) 7.4kW/32A + RFID (4G)

Datasheet		7.4kW Tethered
Input	Power Supply	1P+N+PE
	Rated Voltage	230V AC
	Rated Current	16/32A
	Frequency	50Hz±2Hz
Output	Output Voltage	230V AC
	Maximum Current	16/32A
	Rated Power	7.4kW
Use Appearance	Charge Connector	Type 2 Cable
	Cable Length	None
	Enclosure Body	Polycarbonate
	LCD Display	4.3" Screen, Touchscreen programmable
	Start Mode	Plug & Play/RFID card/APP control
	Emergency Stop	Yes
Safety	Ingress Protection	IP54
	Impact Protection	IK10
	Leakage Protection	TypeA+DC6ma
	Ground Protection	PEN Fault
	Electrical Protection	Over current protection, Residual current protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection
	Certification	CE
	Certification Standard	EN 61851-1: 2017, EN 61851-21-2: 2018
	Warranty	3 years
Environment	Installation	Wall-mount/Pole-mount
	Work Temperature	-30°C~+50°C
	Work humidity	5%~95%
	Work Altitude	<2000m
	Main Frame Body	Polycarbonate
Package	Product Dimensions	361*261*114mm (H*W*D)
	Package Dimensions	490*380*300mm (L*W*H)
	Net Weight	5kg
	Gross Weight	6kg
	External Package	Carton
Features	Load Management	Available
	Application	Monta Application

TESIDA

Tethered Wall Box

7.4kW 16/32A

5M
TETHERED LEAD

TYPE 2
Connector

IP54 RATED
Waterproof

IK10
Impact protection

TESIDA

Tethered Wall Box

7.4kW 16/32A

Part No.	Description
TSDACCG005RFID4G	Tesida Tethered (Type 2) 7.4kW/32A + RFID (4G)

Datasheet		7.4kW Tethered
Input	Power Supply	1P+N+PE
	Rated Voltage	230V AC
	Rated Current	16/32A
	Frequency	50Hz±2Hz
Output	Output Voltage	230V AC
	Maximum Current	16/32A
	Rated Power	7.4kW
Use Appearance	Charge Connector	Type 2 Cable
	Cable Length	5 Meter
	Enclosure Body	Polycarbonate
	LCD Display	4.3" Screen, Touchscreen programmable
	Start Mode	Plug & Play/RFID card/APP control
	Emergency Stop	Yes
Safety	Ingress Protection	IP54
	Impact Protection	IK10
	Leakage Protection	TypeA+DC6ma
	Ground Protection	PEN Fault
	Electrical Protection	Over current protection, Residual current protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection
	Certification	CE
	Certification Standard	EN 61851-1: 2017, EN 61851-21-2: 2018
	Warranty	3 years
Environment	Installation	Wall-mount/Pole-mount
	Work Temperature	-30°C~+50°C
	Work humidity	5%~95%
	Work Altitude	<2000m
Package	Product Dimensions	350*245*110mm (H*W*D)
	Package Dimensions	490*380*300mm (L*W*H)
	Net Weight	5kg
	Gross Weight	6kg
	External Package	Carton
Features	Load Management	Available
	Application	Monta Application

TESIDA

Untethered Wall Box

22kW 32A

CE

TYPE 2
Connector

IP65 RATED
Waterproof

IK10

Impact protection

TESIDA

Untethered Wall Box

22kW 32A

Part No.	Description
TSDACCG006(22KW)-RFID	Tesida Untethered 22KW/32A + RFID (4G)

Datasheet		22kW Untethered
Input	Power Supply	3P+N+PE
	Rated Voltage	380V AC
	Rated Current	32A
	Frequency	50Hz/60Hz
Output	Output Voltage	380V AC
	Maximum Current	32A
	Rated Power	22kW
Use Appearance	Charge Connector	Type 2 cable
	Cable Length	None
	Enclosure	Steel
	LCD Display	4.3" screen
	Start Mode	Play/RFID card/APP control
	Emergency Stop	Yes
Safety	Ingress Protection	IP65
	Impact Protection	IK10
	Leakage Protection	TypeA+DC6ma
	Ground Protection	PEN Fault
	Electrical Protection	Over current protection, Residual current protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/ Under temperature protection
	Certification	CE
	Certification Standard	EN 61851-1: 2017, EN 61851-21-2: 2018
	Warranty	3 years
Enviroment	Installation	Wall-mount/Pole-mount
	Work Temperature	-30°C~+50°C
	Work Humidity	5%~95%
	Work Altitude	<2000m
Package	Product Dimension	361*261*114mm (H*W*D)
	Package Dimension	490*380*200mm (L*W*H)
	Net Weight	5kg
	Gross Weight	6kg
	External Package	Carton
Features	Load Management	Available
	Application	Monta App

TESIDA

Tethered Wall Box

22kW 32A

5M
TETHERED LEAD

TYPE 2
Connector

IP54 RATED
Waterproof

IK10
Impact protection

TESIDA

Tethered Wall Box

22kW 32A

Part No.	Description
TSDACCG006(22KW)-RFID	Tesida Tethered 22KW/32A + RFID (4G)

Datasheet		22kW Tethered
Input	Power Supply	3P+N+PE
	Rated Voltage	380V AC
	Rated Current	32A
	Frequency	50Hz/60Hz
Output	Output Voltage	380V AC
	Maximum Current	32A
	Rated Power	22kW
Use Appearance	Charge Connector	Type 2 cable
	Cable Length	5 Meter
	Enclosure	Steel
	LCD Display	4.3" screen
	Start Mode	Play/RFID card/APP control
	Emergency Stop	Yes
Safety	Ingress Protection	IP65
	Impact Protection	IK10
	Leakage Protection	TypeA+DC6ma
	Ground Protection	PEN Fault
	Electrical Protection	Over current protection, Residual current protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/ Under temperature protection
	Certification	CE
	Certification Standard	EN 61851-1: 2017, EN 61851-21-2: 2018
	Warranty	3 years
Enviroment	Installation	Wall-mount/Pole-mount
	Work Temperature	-30°C~+50°C
	Work Humidity	5%~95%
	Work Altitude	<2000m
Package	Product Dimension	350*245*110mm (H*W*D)
	Package Dimension	490*380*300mm (L*W*H)
	Net Weight	5kg
	Gross Weight	6kg
	External Package	Carton
Features	Load Management	Available
	Application	Monta App

TESIDA Untethered Dual Wallbox

22kW 32A Dual Wallbox

CE

TYPE 2
Connector

IP65 RATED
Waterproof

IK10
Impact protection

TESIDA Untethered Dual Wallbox

32A 3-Phase Dual 11kW

	Description
OGJZTWBG22kW	TESIDA 32A 3-Phase Untethered Dual 11kW Wallbox

Datasheet		7.4kW Tethered
Input	Power Supply	3P+N+PE
	Rated Voltage	400V AC
	Rated Current	32A
	Frequency	50Hz/60Hz
Output	Output Voltage	400V AC
	Maximum Current	32A
	Rated Power	22kW
Use Appearance	Charge Connector	Type 2 Sockets with Latching System
	Cable Length	-
	Enclosure Body	Powder Coated Fabricated Steel Case With Reinforced Hinged Glass Door
	LCD Display	7.0" Screen, Touchscreen programmable
	Start Mode	Plug & Play/RFID card/APP control / TFT Display Start Button
	Emergency Stop	Yes
Safety	Ingress Protection	IP54
	Impact Protection	IK10
	Leakage Protection	TypeA+DC6ma
	Ground Protection	PEN Fault Protection
	Electrical Protection	Over current protection, Residual current protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection
	Certification	CE
	Certification Standard	EN 61851-1: 2017, EN 61851-21-2: 2018
	Warranty	3 years
Environment	Installation	Wall-mount/Pole-mount
	Work Temperature	-30°C~+50°C
	Work humidity	5%~95%
	Work Altitude	<2000m
	Main Frame Body	Powder COated Fabricated Steel
Package	Product Dimensions	465*350*130mm (H*W*D)
	Package Dimensions	615*500*280mm (L*W*H)
	Net Weight	11kg
	Gross Weight	14kg
	External Package	Carton
Features	Load Management	Remotely managed through MONTA Back Office Service Provider
	Application	Monta Application

OGJZTWBG22kW

TESIDA Tethered Dual Wallbox

22kW 32A Tethered Dual Wallbox

CE

TYPE 2
Connector

IP65 RATED
Waterproof

IK10
Impact protection

TESIDA Tethered Dual Wallbox

32A 3-Phase Dual Tethered 11kW

Part No.	Description
OGJZTSBG22kW	TESIDA 32A 3-Phase Tethered Dual 11kW Wallbox

Datasheet		7.4kW Tethered
Input	Power Supply	3P+N+PE
	Rated Voltage	400V AC
	Rated Current	32A
	Frequency	50Hz/60Hz
Output	Output Voltage	400V AC
	Maximum Current	32A
	Rated Power	22kW
Use Appearance	Charge Connector	Type 2 Plugs
	Cable Length	5 Meter with onboard Type 2 Side Plug Cradle
	Enclosure Body	Powder Coated Fabricated Steel Case With Reinforced Hinged Glass Door
	LCD Display	7.0" Screen, Touchscreen programmable
	Start Mode	Plug & Play/RFID card/APP control / TFT Display Start Button
	Emergency Stop	Yes
Safety	Ingress Protection	IP54
	Impact Protection	IK10
	Leakage Protection	TypeA+DC6ma
	Ground Protection	PEN Fault Protection
	Electrical Protection	Over current protection, Residual current protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection
	Certification	CE
	Certification Standard	EN 61851-1: 2017, EN 61851-21-2: 2018
	Warranty	3 years
Environment	Installation	Wall-mount/Pole-mount
	Work Temperature	-30°C~+50°C
	Work humidity	5%~95%
	Work Altitude	<2000m
	Main Frame Body	Powder COated Fabricated Steel
Package	Product Dimensions	465*350*130mm (H*W*D)
	Package Dimensions	615*500*280mm (L*W*H)
	Net Weight	15kg
	Gross Weight	18kg
	External Package	Carton
Features	Load Management	Remotely managed through MONTA Back Office Service Provider
	Application	Monta Application

TESIDA Untethered Dual Pillar

22kW 32A Dual Pillar **DISCONTINUED**

CE

TYPE 2
Connector

IP65 RATED
Waterproof

IK10
Impact
protection

TESIDA Untethered Dual Pillar

32A 3-Phase Dual 11kW

Part No.		Description
OGJZTW-A		
		TESIDA 32A 3-Phase Untethered Dual 11kW Pillar
Datasheet		22kW Untethered Smart EVCP 4G Pillar
Input	Power Supply	3P+N+PE 400V AC 32A 50Hz/60Hz 400V AC 32A 22kW Type 2 Sockets with Latching
	Rated Voltage	System N/A
	Rated Current	Powder Coated Fabricated Box Section Steel with Screw down Door Entry
	Frequency	7.0"" Back Lit TFT Display Screen
Output	Output Voltage	TFT Display Start Button, RFID User Card, MONTA App Controlled
	Maximum Current	LED illuminated push button
	Total Rated Power kW	IP54
Use Appearance	Charge Connector	IK10
	Cable Length	TypeA+DC6ma
	Enclosure	PEN Fault Protection
	LCD Display	Over Current Protection, Residual Current Protection, Surge Protection, Over/Under
	Start Mode	Voltage
	Emergency Stop	Protection, Over/Under Frequency Protection, Over/ Under Temperature Protection
	Ingress Protection	Dual MID LCD Display Certified Energy Meter
Safety	Impact Protection	EN 61851-1 :2017, EN 61851-21-2-1 :2018, CE
	Leakage Protection	5 years (3+2)
	Ground Protection	Floor Mounted Pillar
	Electrical Protection	-30°C~+50°C
		5%~95%
	Energy Meter	<2000m
	Certification Standard	1,100mm x 250mm x 250mm (H*W*D)
	Warranty	1,250mm x 400mm x 400mm (H*W*D)
	Installation	20 kg
Environment	Work Temperature	34 kg
	Work Humidity	Reinforced Wooden Crate
	Work Altitude	Remotely managed through MONTA Back Office Service Provider
	Product Dimension	MONTA App (None Master / Slave hard wired application)
Package	Package Dimension	
	Net Weight	
	Gross Weight	
	External Package	
	Load Balancing Feature	
Features	Application	

TESIDA

Untethered Dual Pillar

44kW 63A Dual Pillar **DISCONTINUED**

TYPE 2
Connector

IP65 RATED
Waterproof

IK10
Impact protection

TESIDA

Untethered Dual Pillar

3-Phase 63A Dual 22kW

Part No.		Description
OGJZTW-G		TESIDA 63A 3-Phase Untethered Dual 22kW Pillar
Datasheet		**44kW Untethered Smart EVCP 4G Pillar**
Input	Power Supply	3P+N+PE
	Rated Voltage	400V AC
	Rated Current	63A
	Frequency	50Hz/60Hz
Output	Output Voltage	400V AC
	Maximum Current	63A
	Total Rated Power kW	44kW
Use Appearance	Charge Connector	Type 2 Sockets with Latching System
	Cable Length	N/A
	Enclosure	Powder Coated Fabricated Box Section Steel with Screw Down Door Entry
	LCD Display	7.0" Back Lit TFT Display Screen
	Start Mode	TFT Display Start Button, RFID User Card, MONTA App Controlled
	Emergency Stop	LED illuminated push button
	Ingress Protection	IP54
Safety	Impact Protection	IK10
	Leakage Protection	TypeA+DC6ma
	Ground Protection	PEN Fault Protection
	Electrical Protection	Over Current Protection, Residual Current Protection, Surge Protection, Over/Under Voltage Protection, Over/Under Frequency Protection, Over/ Under Temperature Protection
	Energy Meter	Dual MID Certified LCD Display Energy Meter
	Certification Standard	EN 61851-1 :2017, EN 61851-21-2-1 :2018, CE
	Warranty	5 years (3+2)
	Installation	Floor Mounted Pillar
Environment	Work Temperature	-30°C~+50°C
	Work Humidity	5%~95%
	Work Altitude	<2000m
	Product Dimension	1,550mm x 440mm x 250mm (H*W*D)
Package	Package Dimension	1,700mm x 590mm x 400mm (H*W*D)
	Net Weight	32 kg
	Gross Weight	50 kg
	External Package	Reinforced Wooden Crate
	Load Balancing Feature	Remotely managed through MONTA Back Office Service Provider
Features	Application	MONTA App (None Master / Slave hard wired application)

TESIDA

Untethered Dual Pillar

44kW 63A Dual Advertising Pillar **DISCONTINUED**

TYPE 2
Connector

IP65 RATED
Waterproof

IK10
Impact protection

TESIDA

Untethered Dual Pillar

63A 3-Phase Dual 22kW Advertising

Part No.	Description
OGJZTW-GGZ	TESIDA 63A 3-Phase Untethered Dual 22kW Advertising Pillar

Datasheet		44kW Untethered Smart EVCP Advertising 4G Pillar
Input	Power Supply	3P+N+PE 400V AC 63A 50Hz/60Hz 400V AC 63A 44kW Type 2 Sockets with Latching
	Rated Voltage	System N/A Powder Coated Fabricated Box Section Steel with Hinged Lockable Door
	Rated Current	Entry
	Frequency	4.3" Back Lit TFT Display Screen
Output	Output Voltage	TFT Display Start Button, RFID User Card, MONTA App Controlled
	Maximum Current	LED illuminated push button
	Total Rated Power kW	IP54
	Charge Connector	IK10
Use Appearance	Cable Length	TypeA+DC6ma
	Enclosure	PEN Fault Protection Over Current Protection, Residual Current Protection, Surge
	LCD Display	Protection, Over/Under Voltage
	Start Mode	Protection, Over/Under Frequency Protection, Over/ Under Temperature Protection
	Emergency Stop	Dual MID Certified LCD Display Energy Meter
	Ingress Protection	EN 61851-1 :2017, EN 61851-21-2-1 :2018, CE
Safety	Impact Protection	5 years (3+2)
	Leakage Protection	Floor Mounted Pillar
	Ground Protection	-30°C~+50°C
	Electrical Protection	5%~95%
		<2000m
	Energy Meter	1,590mm x 550mm x 150mm (H*W*D)
	Certification Standard	1,740mm x 700mm x 300mm (H*W*D)
	Warranty	62 kg
	Installation	85 kg
Environment	Work Temperature	Reinforced Wooden Crate
	Work Humidity	Remotely managed through MONTA Back Office Service Provider
	Work Altitude	MONTA App (None Master / Slave hard wired application)
	Product Dimension	32" High Definition Advertising Screen with Speaker System (Android)
Package	Package Dimension	
	Net Weight	
	Gross Weight	
	External Package	
	Load Balancing Feature	
Features	Application	
	Advertising Display Screen	

Home & Business Charging Ltd Warranty Conditions

- The TESIDA EV charge point is covered for a period of 3 years from the date of registration via the registration portal. Failure to register the product within 14 days of its installation will invalidate the warranty terms leading to chargeable after sales tech / site support.
- When installed the TESIDA EV charge point must have connection via hard LAN, Wi-Fi or 4G. The charge point must remain connected for the duration of the warranty period. Connectivity will allow remote access if required and software updates to keep the charge point compliant. Due to Wi-Fi connectivity being unreliable, If applicable H&BC Ltd recommend 4G connectivity or a hard LAN connection from date of installation to prevent any potential drop out in connectivity which may affect ongoing performance of the charge point. If MONTA is being maintained to operate the charge point a strong reliable connection is required for smart phone app operation.
- Installation of the EV charge point must be carried out by a competent and approved Electrician / EV approved installer. The installers name, business name and registration number must be included within the Warranty registration portal.
- The charge point is to be operated as indicated within the user manual. Should fault or damage occur to the charge point due to non-compliance of the user manual, the warranty agreement will become invalid.
- Home & Business Charging Ltd reserve the right to refuse warranty against any charge point that has been stolen, removed and reinstalled at an alternative location to that listed within the Warranty registration portal, original parts exchanged, incorrect power supply has been maintained, tampered with, defected, defaced, vandalised, damaged through impact or collision and through fault or damage caused by natural disaster.
- Damage caused to tethered cord sets due to wrongful use or accidental damage will result in the warranty becoming invalid.
- The warranty does not cover the cost for any replacement, or the reprogramming of any RFID user cards.
- The warranty will not become extended from the date of any eligible repair or replaced defective parts.
- All charge point faults must be reported to Home & Business Charging Ltd technical department in writing, by email or by telephone within 7 days of being identified. This includes any fault codes displayed on the TFT / LCD display screen. Failure to follow this procedure may result in the warranty becoming invalid.
- All serial and part numbers must be fully legible and valid. Evidence that the original Home & Business Charging Ltd / TESIDA serial number / part number has been tampered with will invalidate the warranty.
- Upon any warranty repairs being necessary, an approved Electrician / EV approved installer will be required to carry out the repair to the charge point. Should an approved Electrician / EV approved installer not be available and / or if additional work may be required to reinstate the charge point, all necessary repairs or replacement of parts will be carried out by Home & Business Charging Ltd technical department or an accredited TESIDA EV installer.
- Warranty does not cover periodic checks and general maintenance to the charge point. Should a maintenance package be required please contact H&BC Ltd to discuss the requirement further.
- Home & Business Charging Ltd reserve the right to seek legal advice for any disputes relating to this warranty agreement ensuring the above.
- Warranty conditions set out by Home & Business Charging Ltd UK may differ from other TESIDA warranty agreements outside of the UK.