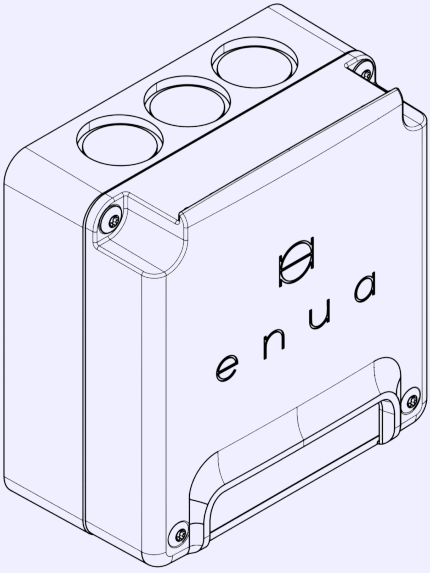
enua

ENUA WALLMOUNT

Installation manual



THIS PRODUCT CAN ONLY BE INSTALLED BY A REGISTERED INSTALLATION COMPANY.

V10001-7 · 2026 · English

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Before you start

The Enua Wallmount is the wall bracket for Enua chargers. It is the fixed part of the installation. The charger is fitted on the Wallmount and can be removed again.

Read the whole manual before you start. The manufacturer's warranty applies when the installation follows this manual. See page 28.

Who this manual is for

This manual is for the electrician who installs the Wallmount. The product can only be installed by a registered installation company.

What the Wallmount fits

Product	Article number
Enua Wallmount (this manual)	27003
Enua Charge	27001
Enua Charge E	27004
Enua Charge S	27006

Area of use

- Fixed installation on a wall or a post.
- Indoors and outdoors. Enclosure rating IP45.
- Mode 3 charging.

Latest version

The latest version of this manual is at enua.io/en/documentation. It takes precedence over the printed edition.

Safety instructions

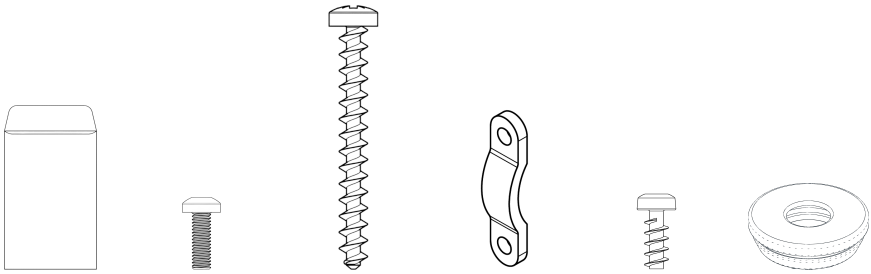
Disconnect and secure the circuit before you start. Measure to confirm that the installation is de-energised.

Read the installation manual carefully before installing and using the product.

Pay attention to the following:

- Only qualified personnel should be responsible for the installation, maintenance and repair of the equipment.
- Follow all local, regional and national rules and regulations for low-voltage installations where the product is installed.
- The product must be placed in a stable location. Check that the mounting surface has sufficient load-bearing capacity and that the product is installed vertically.
- Do not install the product in areas that are unsuitable for electrical installations.
- Avoid mounting in direct sunlight. Sunlight heats up the charger. The product tolerates −30 to +50 °C.
- Keep the inside of the Wallmount dry while you work. Do not leave it open in the rain.
- Do not drill your own holes in the Wallmount. Use only the grommet from Enua. Conduit is only allowed from the back, through the grommet. See page 9.
- If the product is damaged or faulty, it must not be installed or used.
- All repairs must be carried out by Enua, or by personnel or a company approved by Enua.
- If the safety and installation instructions in this manual are not followed, the warranty may be void. See page 28.

Included materials



1x	4x	4x	2x	4x	2x
Accessory bag	**M4x12**	**4x40**	**Cable clamp**	**Cable clamp screw**	**Grommet**

The box also contains the Wallmount itself. The accessory bag is inside, behind the front cover.

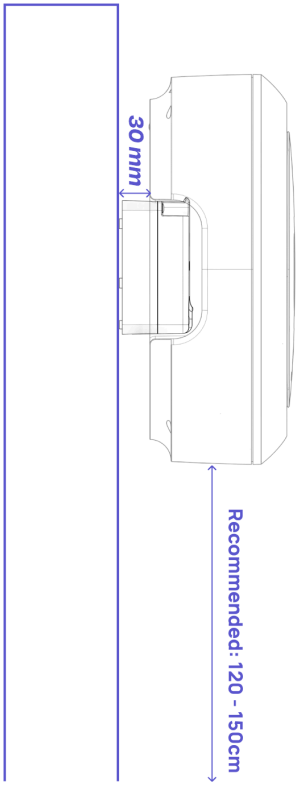
- Two grommets are included. Take care of them. In earlier manuals the grommet was called the Enua cable grommet.
- The cable clamps are strain relief for cables in the top. See page 19.
- A blind plug that has been knocked out cannot be put back.

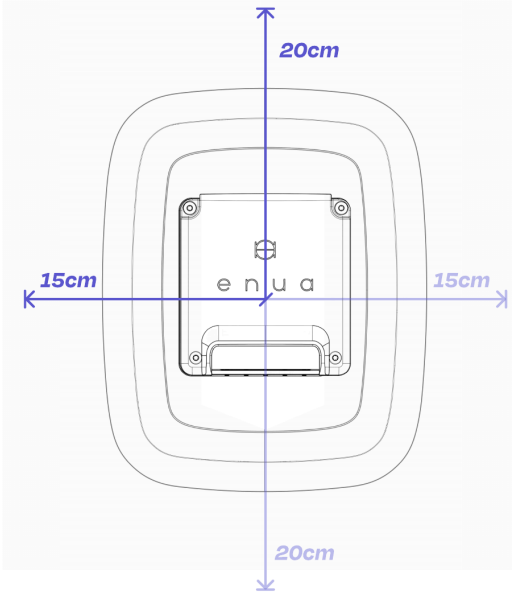
Tools for installation

- Torx screwdriver or bits with T20 head, minimum 60 mm length
- Torque screwdriver. The front cover is tightened to 3 Nm
- Wire stripping tool, spirit level and voltage tester
- Drill and fasteners that suit the wall
- The Enua Installer app. It must be installed, with a registered account, on a phone with an internet connection

Placement

We recommend a mounting height of 120–150 cm above ground level, and 80–120 cm for accessible (universal design) installations. Keep 15 cm clear on each side and 20 cm above and below.





Make sure cables that come out of the wall do not stick out more than 30 mm (3 cm). If they stick out further, the charger cannot sit correctly on the Wallmount. This causes lock errors.

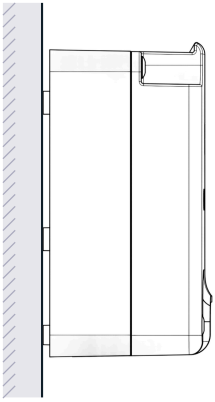
Applicable regulations and rules always take precedence and may give a different mounting height.

Flat and rigid surface

Mount the Wallmount on a flat and rigid surface.

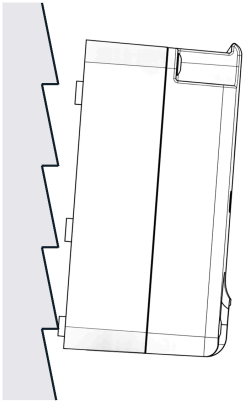
If the Wallmount is twisted or bent, the charger gets stuck. Then it cannot be removed again.

✓ CORRECT



Flat wall. The Wallmount lies flat.

✕ WRONG



Uneven cladding. The Wallmount ends up crooked.

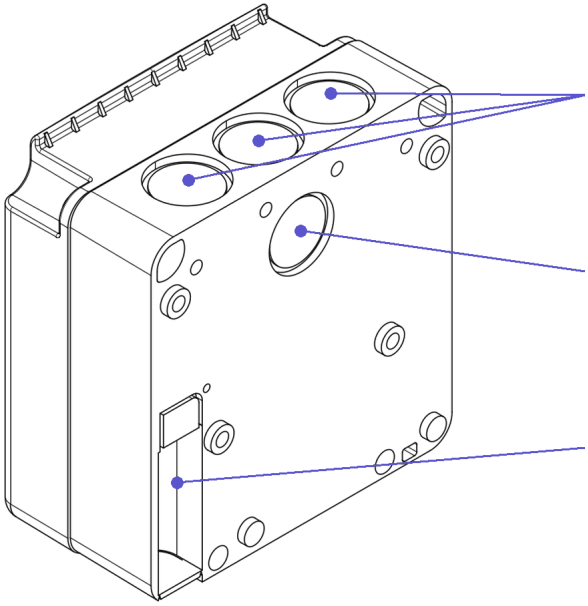
- Hold a spirit level or a straight edge against the wall before you drill.
- If the wall is uneven (cladding, logs, rough masonry), level the surface first. Do not pull the Wallmount flat with the screws.
- Use all four screws.

Outdoors

- Do not mount under roof drip, a downpipe or a tap.
- Do not mount where snow builds up against the Wallmount, or where water collects.
- Avoid walls in direct sunlight.
- Protect the charger against collision where cars can hit it.

Cable entry and sealing

The Wallmount has five cable entries: three in the top, one in the back and one in the bottom. Choose the entry before you fix the Wallmount to the wall.



TOP

Three entries. Only for daisy-chaining. Grommet required.

BACK

Cable or conduit straight out of the wall. Grommet required.

BOTTOM

Channel on the back. Always recommended. No grommet.

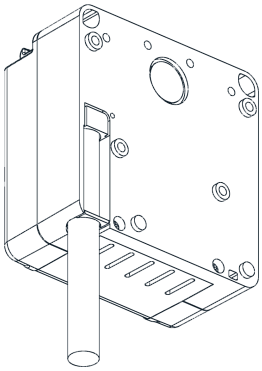
Bring the cable in from below. Then water does not run along the cable and into the Wallmount.

Leave the blind plug in every entry you do not use.

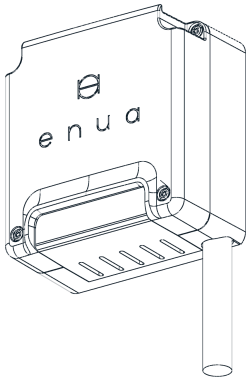
Entry	Used for	Grommet	Cable
Bottom	Always recommended. Must be used where the Wallmount is exposed to rain and weather	No	Max 20 mm
Top	Daisy-chaining only. Two cables: use the two outer entries, never the middle	Yes	15–22 mm
Back	Cable or conduit straight out of the wall	Yes	15–22 mm

Cable in from below (recommended)

The cable is laid up in the channel on the back of the Wallmount and enters the box from there. The bottom entry must not have a grommet.



Seen from behind. The cable lies in the channel.



Seen from the front.

1. Break off the plastic tabs at the bottom of the channel. They seal the bottom when there is no cable.
2. Lay the cable up in the channel on the back.
3. Fix the Wallmount. The cable must lie freely in the channel, not pinched against the wall.

The largest cable through the bottom is 20 mm.

Cable from the back, out of the wall

- Use a grommet, as in the top. See pages 11 and 12.
- The cable must come straight out of the wall, in the centre of the entry.
- Seal between the wall and the Wallmount around the entry, and seal the hole in the wall.

Conduit from the back

- Cable thinner than 15 mm can come from the back in conduit (flexible conduit), 15–22 mm outer diameter.
- Press the conduit into the grommet. The grommet must seal around the conduit.
- The conduit must only just pass through the grommet, not further into the box.
- Seal the end of the conduit around the cable. Otherwise moist air from the wall causes condensation.

Cable

Entry	Outer diameter of the cable
Through grommet (top and back)	From **15 to 22 mm**. Round cable
Through the bottom	**Max 20 mm**. No grommet, and therefore no minimum diameter

Cable thinner than 15 mm does not seal in the grommet. Bring it in through the bottom, or from the back in conduit. See page 9.

Cable thicker than 22 mm cannot be used in the Wallmount.

One cable per grommet. Conduit is only allowed from the back. The terminals take conductors from 2.5 to 16 mm², but not all 16 mm² cables fit into the Wallmount.

Where the cable can enter

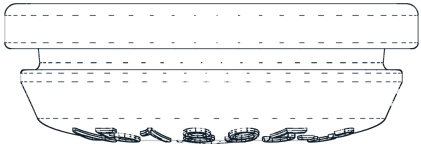
Cable	Outer diameter	Through grommet	Through the bottom
5G2.5	12.4 mm	**No**, only in conduit from the back	**Yes**
3G6	13.4 mm	**No**, only in conduit from the back	**Yes**
4G6	15.5 mm	**Yes**	**Yes**
5G6	17.0 mm	**Yes**	**Yes**
3G10	19.0 mm	**Yes**	**Yes**
4G10	20.0 mm	**Yes**	**Yes**
5G10	22.0 mm	**Yes**	**No**
3G16	20–21 mm	**Yes**	**Yes**, if max 20 mm
4G16	19–23 mm	**Yes**, if max 22 mm	**Yes**, if max 20 mm
5G16	21–24.5 mm	**Yes**, if max 22 mm	**No**

Diameters from data sheets. They vary between cable types and manufacturers. 4G16 exists from approx. 19 mm and 5G16 from approx. 21 mm. Always measure the cable. The measurement is what decides.

The grommet

The grommet (Enua cable grommet) is used only in the top entries and in the back entry. It has a wide, flat flange at one end and a cone with the text 451895-3 at the other.

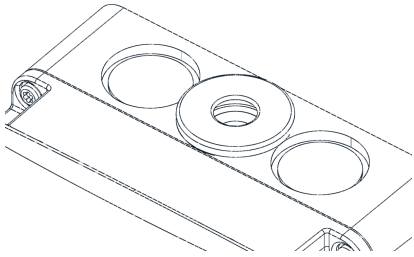
The grommet has two seals around the cable: one at the top, in the flange, and one at the bottom, in the cone. Both must be tight for the grommet to keep water out.



The grommet seen from the side. Flange at the top, cone at the bottom.

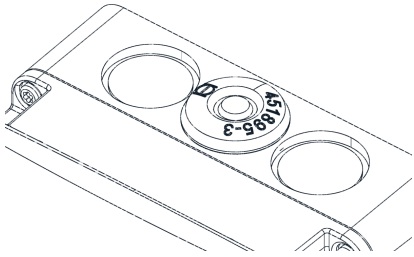
The flange must be on the outside. The cone goes into the Wallmount.

✓ CORRECT



Flange out. You see a flat ring.

✕ WRONG

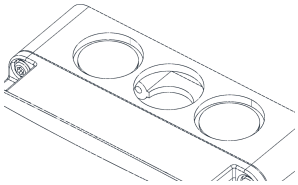


Wrong way round. The text 451895-3 is visible.

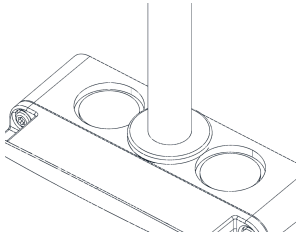
Check: if you can see the text 451895-3 from the outside, the grommet is the wrong way round.

This is the most common mistake, and it lets water into the Wallmount.

How to fit the grommet



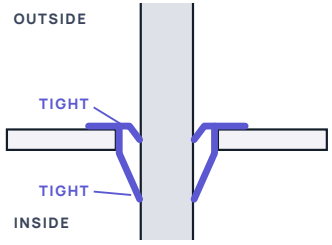
Step 1. The blind plug is knocked out.



Steps 4 and 5. The cable goes straight in.

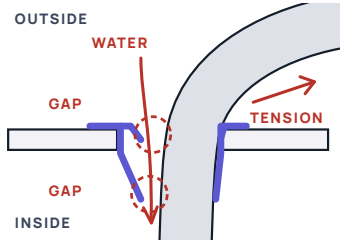
1. Knock out the blind plug in the entry you are going to use.
2. Push the grommet in from the outside, cone first.
3. Check that the grommet sits in the groove all the way round.
4. Press the cable straight through the grommet. The grommet opens around the cable. Do not cut, snip or pierce it first.
5. Let the cable run straight out of the grommet. It must not be under sideways tension, and must not be bent 90 degrees right at the grommet. Then the grommet opens a gap.
6. The grommet has two seals, one at the top and one at the bottom. Check that both sit tightly around the cable all the way round.

✓ CORRECT



Straight in. Both seals are tight.

✕ WRONG



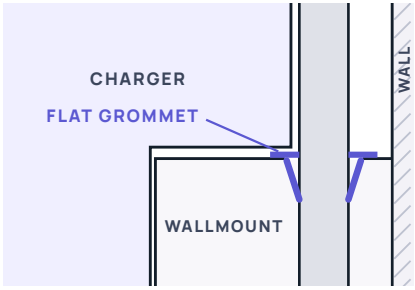
Sideways tension. Both open up.

Only the grommet from Enua is approved. Other glands do not seal and can get in the way of the charger. See the next page. The warranty may be void.

The charger overlaps the Wallmount

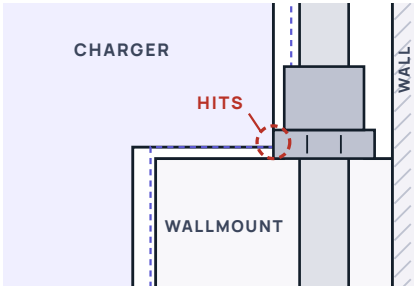
When the charger is on the Wallmount, it covers the front part of the top. The lock on the charger sits right above the Wallmount, close to the top entries. There are only a few millimetres of clearance.

✓ CORRECT



The Enua grommet is flat. The charger goes all the way in and locks.

✕ WRONG



A screw gland adds height. The charger stops and does not lock.

Seen from the side, in section. The dashed line shows where the charger should be.

If the charger hits something above the Wallmount, it does not go all the way in. Then the lock does not engage, and the charger is not secured.

This hits the charger

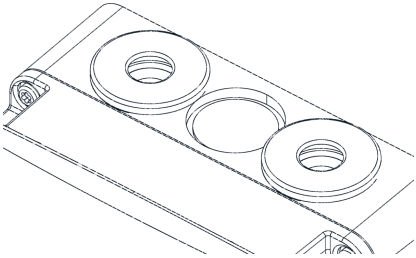
- Screw glands and other cable glands with a nut. They add height and are too wide. They also do not fit the hole in the Wallmount.
- Conduit, conduit couplings or cable that stick out more than 30 mm from the wall above the Wallmount.

Use only the grommet from Enua. Keep cable and conduit close to the wall above the Wallmount.

Two cables in the top

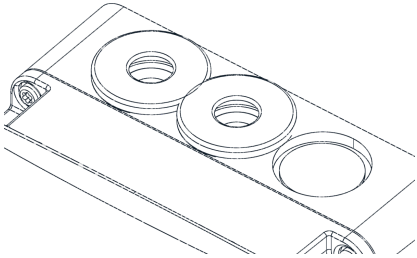
If two cables go into the top, for example when daisy-chaining: use the entry on the far left and the one on the far right. Do not use the middle one.

✓ CORRECT



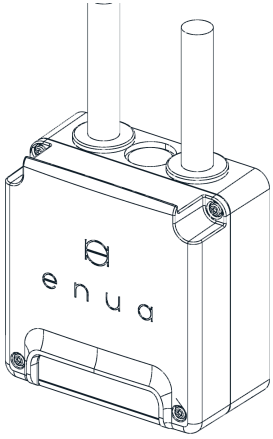
The two outer entries. The blind plug stays in the middle.

✕ WRONG



The middle is used. The flanges lie on top of each other.

The grommets are wider than the distance between the holes. If two grommets sit next to each other, they collide and do not seal.



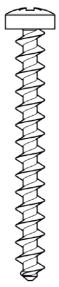
The flange on the grommet is 35 mm wide. The holes are 32 mm apart. Two grommets next to each other overlap by 3 mm.

Between the two outer entries there is plenty of room.

One cable in the top: use any of the three.

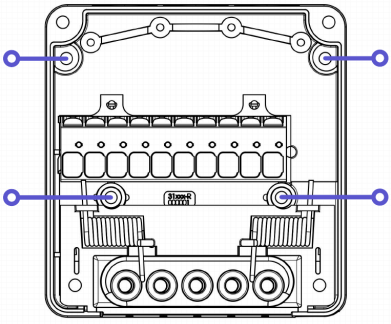
Mounting on the wall

1. Take the Wallmount out of the packaging.
2. Remove the front cover and take out the accessory bag located inside.
3. Knock out the blind plug only in the entries you are going to use.
4. Hold the Wallmount against the wall with the three top entries facing up. Use a spirit level.
5. Fasten with all four screws. The supplied screws (4x40) are for wooden surfaces.
6. If you need to drill, the hole pattern in 1:1 scale is on page 32.



4x

4x40



1x

Enua Wallmount

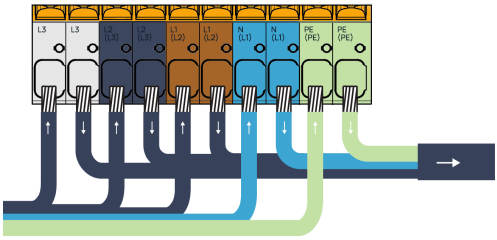
The screw holes go through the back wall, inside the Wallmount. Water that gets behind the Wallmount can follow the screws in. Mount on a flat wall and tighten all four screws, so the Wallmount sits tight against the wall.

When installing on different surfaces, use suitable fasteners and mounting methods for the material to ensure a safe and compliant installation.

Power supply and protection

- The Enua Wallmount is designed for easy daisy-chaining. The Wallmounts can be connected in several ways. See the examples on the next two pages.
- Follow all local and national laws and regulations. If you have questions about correct installation, contact the retailer where you purchased the product.

The maximum current through one Wallmount is 63 A. When daisy-chaining, this must not be exceeded. With parallel connection the circuit can carry a higher current, see the next page.



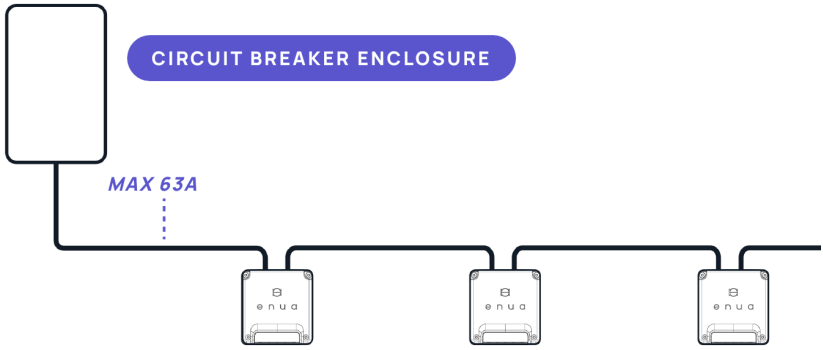
Protection

Each charger has built-in residual current protection (MRCD type B, 30 mA AC and 6 mA DC) and 32 A overcurrent protection.

The circuit must have a circuit breaker complying with EN 60947-2 upstream of the chargers. This is required because the residual current protection in the charger is an MRCD.

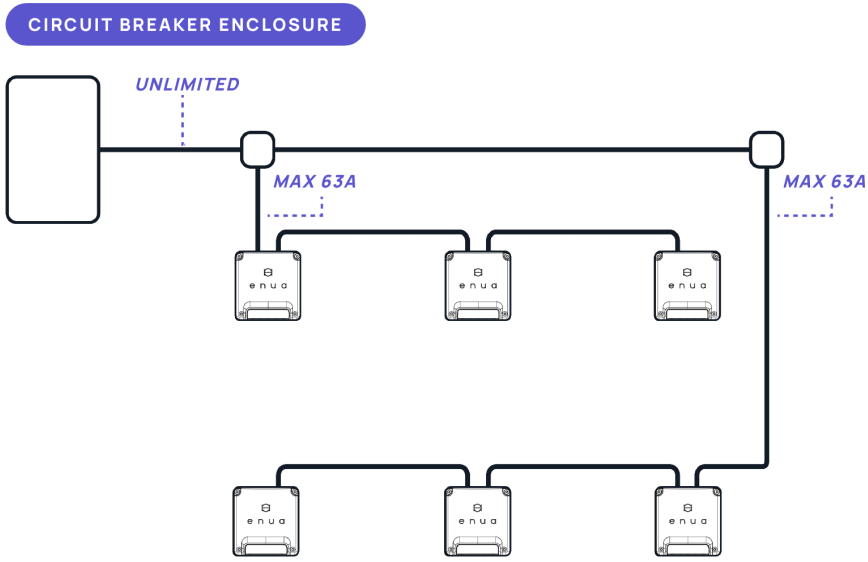
- Check that the breaker is marked EN 60947-2 (IEC 60947-2). The circuit breaker is also the short-circuit protection for the charging points.
- Follow the installation rules of the country where the product is installed.
- Choose the rated current according to the cable. Max 63 A for Wallmounts in series.
- Each charging point delivers max 32 A. 63 A is the current that can pass on through the terminals to the next Wallmount.
- The terminals (WAGO) take conductors from 2.5 to 16 mm^2.

Daisy-chaining in one row



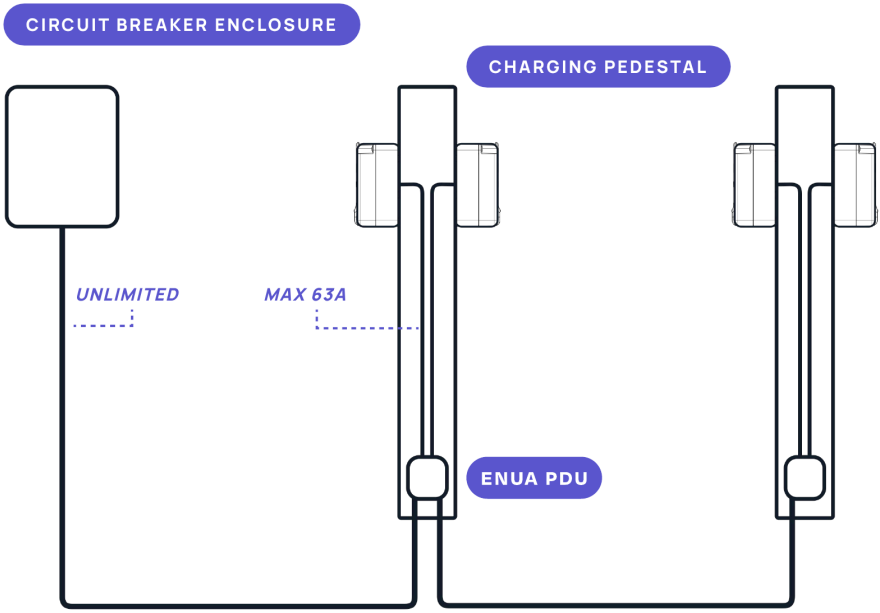
All the Wallmounts are on the same circuit. The total current through the first Wallmount cannot be more than 63 A.

Parallel connection

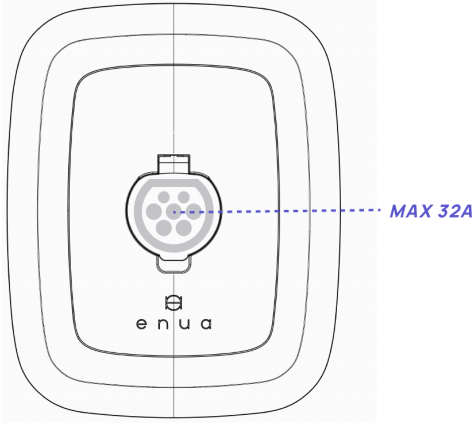


The supply is split before the Wallmounts. Each row can have up to 63 A.

Charging pedestals with Enua PDU



Each charging point



Connection

Connecting cables inside the Wallmount

All phases are connected the same way for daisy-chaining or parallel connection and must not be rotated manually. You can use solid, stranded or fine-stranded conductors. Ferrules are not required.

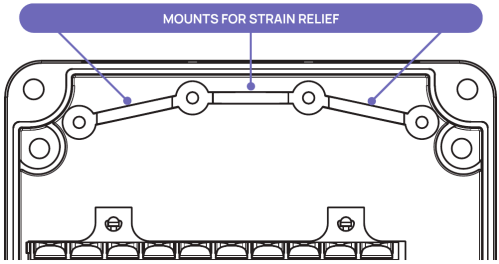
- Strip 19 mm.
- Conductors from 2.5 to 16 mm².
- Connect PE first.
- Pull on each conductor after connecting.



Outer diameter through grommet:
min 15 mm, max 22 mm

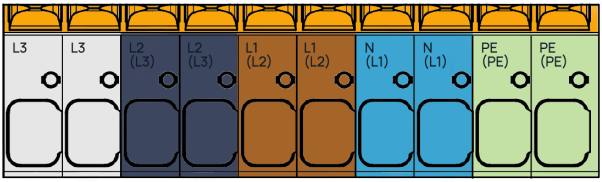
Strain relief

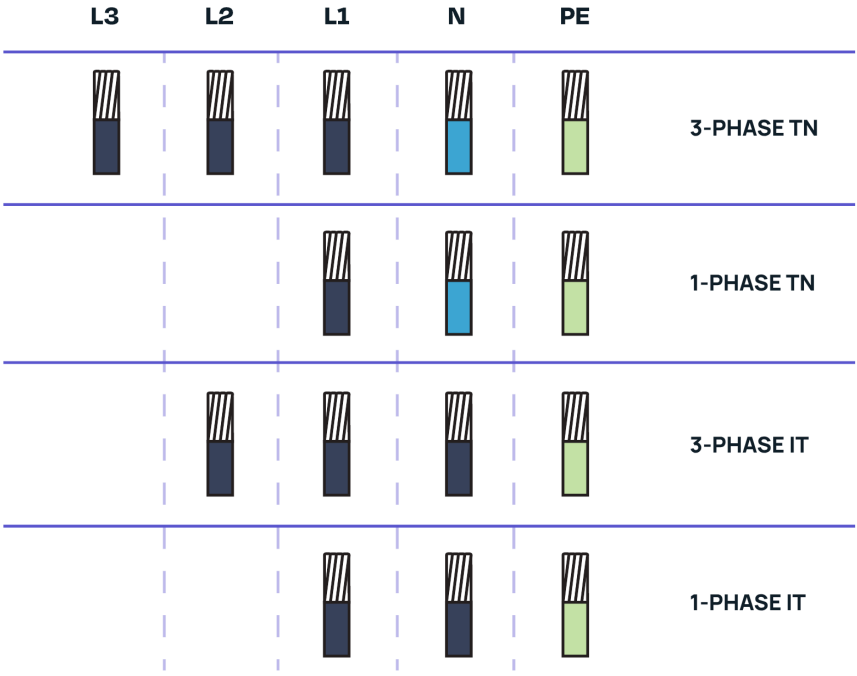
Two cable clamps are included, for cables that enter in the top. Fasten each cable with one clamp and two screws. The mounts are right below the top entries. Cable from the bottom and cable from the back have no cable clamp.



Always make sure the grommet is fully fitted and seals around the cable. The cable must be between 15 and 22 mm thick when it passes through a grommet.

Wiring diagram





TT networks with 230 V are connected as IT.

TT networks with 400 V are not supported.

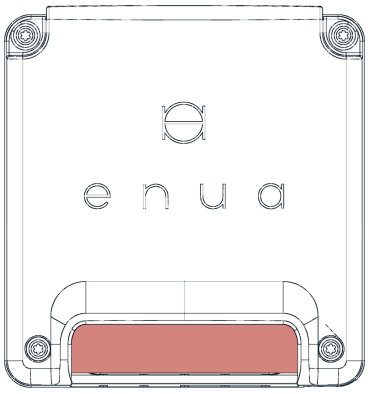
Front cover and safety flap

Finish by fitting the front cover with the four supplied screws (M4x12). Tighten to 3 Nm.



4x

M4x12



FRONT COVER

Four screws, one in each corner.

SAFETY FLAP

Marked in red. Must never be removed.

- Check that the edge of the box and the cover is clean. No conductor may be pinched.
- Tighten crosswise. Do not use an impact driver.

The safety flap

The safety flap is the flap over the contacts, at the bottom of the front cover. It is fixed in the front cover when the Wallmount is delivered. In earlier manuals it was called the protective cover.

Never remove the safety flap. It can be detached from the front cover, but doing so is wrong.

It must stay on at all times. Also when the charger is on the Wallmount.

Without the safety flap the product does not keep its degree of protection. Damage to the product or injury to persons may occur.

The safety flap prevents anyone from touching the contacts, keeps water away and is the child lock on the Wallmount.

Checklist

Go through the list before you leave the site.

- [ ] The cable enters from below on a single installation.
- [ ] Original grommet from Enua, with the flange out. The text 451895-3 is not visible.
- [ ] The grommet is intact. Both seals sit tightly around the cable.
- [ ] The cable through the grommet is between 15 and 22 mm thick. Through the bottom it is max 20 mm.
- [ ] The cable runs straight out of the grommet, with no sideways tension and no sharp bend.
- [ ] Two cables in the top: the two outer entries are used, not the middle.
- [ ] Blind plug in all entries that are not used.
- [ ] Cable and conduit above the Wallmount stick out max 30 mm from the wall.
- [ ] The Wallmount is on a flat surface and is not twisted.
- [ ] Cable in the top is fastened with a cable clamp.
- [ ] The circuit has a circuit breaker complying with EN 60947-2.
- [ ] No conductor is pinched under the front cover.
- [ ] The front cover is tightened to 3 Nm.
- [ ] The safety flap is on the front cover.
- [ ] Photos are taken of the Wallmount open and closed.
- [ ] The installation is configured and uploaded in Enua Installer.
- [ ] The customer has received the registration code.

Keep the photos. They are your documentation if a warranty case comes up later.

Configuration

Once one or more Wallmounts are installed, they must be programmed. You do this in the Enua Installer app by following the steps shown there. Here is a short explanation of each step:

1. **Main circuit breaker**
   This is the main circuit breaker for the distribution board.

2. **Charging circuit**
   This is the maximum load on the circuit that goes out to the Wallmount you have installed. You can add more charging circuits later. Start with the first circuit if you have installed several.

3. **Customer's address**
   Enter the customer's street address, postcode and town.

4. **Charge Point Operator (optional field)**
   If the system is installed with a known charge point operator, it is selected now. See "Charge point operator" on page 26.

5. **Customer's e-mail (optional field)**
   If there is no charge point operator, you can enter the customer's e-mail address here. Double-check that the address is correct before you continue.

6. **Configure Wi-Fi (optional field)**
   If a Wi-Fi network is available, we recommend entering the network name and password now. Make sure there are no typing errors in the name or password. If there is no network, this can be skipped. In basements and areas with poor mobile coverage the charger needs Wi-Fi to connect.

7. **Load Balancing Unit (optional field)**
   If you have installed, or plan to install, a compatible energy meter on the installation, you can select it now. Choose the correct energy meter in the drop-down menu. Configuration and setup are done with the meter's own instructions in a later step.

8. **Scan Wallmount**
   Scan the Wallmount. The NFC tag to be scanned is behind the Enua logo. If the scan does not work, you can enter the serial number manually. See page 27 for where to find the serial number.

9. **Values for Wallmount**
   Here you can set a separate ampere limit for each Wallmount being programmed, if necessary. The default value is 32 A. Automatic load balancing ensures that the total current on all chargers in the same row does not exceed the limit set under "Charging circuit".

10. **Add more Wallmounts**
    Now you can scan more Wallmounts on the same circuit. If there are no more to scan, press "Next".

11. **Summary**
    Go through the installation and the values you have entered. You can now add more circuits installed from the same distribution board. Finish by pressing "Confirm and upload". If you want to fit the charger straight away, follow the instructions on the screen and page 25. The electrician receives an e-mail with a summary of the installation. The customer receives an e-mail with a code used to add the products in the Enua app.

Fitting the charger on the Wallmount

1. The Wallmount must be fully configured. Check that the front cover is screwed on and that the safety flap is in place.
2. Check that nothing is in the way on or around the Wallmount. Cables must lie close to the wall.
3. Hold the charger with both hands, parallel to the Wallmount. Push it straight in, in one movement.
4. Wait until the charger is locked and shows a solid white light. Only then connect the charging cable.

✓ CORRECT



Straight in, parallel to the Wallmount.

✕ WRONG



Not at an angle.

Does the charger not go all the way in? Do not use force. Check that nothing above the Wallmount hits the charger (page 13), and that the wall is flat.

On the Wallmount the charger downloads the correct configuration by itself. If it shows red or yellow afterwards, see the light codes on page 30.

Removing the charger

1. Unplug the charging cable.
2. Open the Enua app or enua.cloud. Find the charger and unlock the Wallmount lock under controls.
3. Wait until the light pulses white.
4. Pull the charger straight towards you. You can rock it gently from side to side.

Dynamic load balancing

If a dynamic load balancing unit was selected, the configuration starts right after you have uploaded the settings. Follow the instructions on the screen closely to connect the load balancing unit to the Enua cloud.

Charge point operator

If the installation is to be controlled by a known charge point operator, this is selected during programming.

When a charger is fitted on the Wallmount, it connects to the charge point operator automatically. The identification (device ID) is the serial number of the Wallmount. It must be entered in the charge point operator's system.

The installer receives an e-mail with all programmed information, including identification numbers and the names of the parking spaces. When the identification numbers are entered with the charge point operator, the chargers connect automatically.

Handover to the customer

The customer must have this before you leave:

- The registration code. It arrives by e-mail from Enua and is used in the Enua app.
- The user manual for the charger.
- The serial number of the Wallmount.
- Information on who to contact in case of a fault: the installer or the retailer.

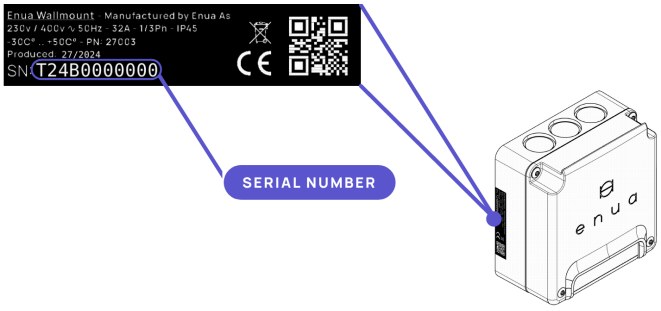
Show the customer how the charger is fitted on and removed from the Wallmount. Tell them that the safety flap must always stay on.

Maintenance

- Clean the product with a damp cloth and water, without soap.
- The product must not be cleaned with running water, a garden hose or a high-pressure cleaner.
- Inspect the product regularly. Look for damage, loose grommets or blind plugs, and signs of moisture or discolouration.
- If the product is damaged or you suspect a fault, it must not be used. If you find water in the Wallmount: switch off the circuit and contact the installer.

Troubleshooting and support

Does the product not work as intended, or do you have technical questions? Contact your retailer, visit enua.io/en/support or choose Support in the Enua Installer app. Have the serial number ready when you make contact.



Fault	Check this
The charger does not go all the way in, or the lock does not open	Cable and grommet behind the charger. That the wall is flat
Red or yellow light after fitting	That the Wallmount is configured in Enua Installer. See page 30
Moisture in the Wallmount	Switch off the circuit. Check grommets, blind plugs and cover

Questions about warranty and claims should be directed to the retailer where the product was purchased.

Warranty and liability

Enua provides a manufacturer's warranty on the product. How long the warranty lasts, and which terms apply, differs from country to country. See enua.io for the warranty that applies in your country.

The warranty applies when installation, maintenance and repair follow this manual.

Enua covers

- ✓ Faults in the product itself in normal use, during the warranty period
- ✓ Repair or a new product. Enua decides which
- ✓ Working hours and other extra costs, but only when Enua has approved them in advance

Enua does not cover

- ✗ Working hours, travel and other costs that Enua has not approved in advance
- ✗ Faults caused by an installation that does not follow this manual
- ✗ Incorrect use, accidents and normal wear and tear
- ✗ Consequential loss, such as damage to property and loss of profit
- ✗ Products bought outside an authorised retailer

Contact Enua before you start work that you want covered. Hours and extra costs that are not approved in advance are not covered.

These are the terms of Enua's manufacturer's warranty. The warranty comes in addition to the rights the customer has under the law of their country towards the retailer or installer. It does not change them.

Light codes

Colour codes for Enua Charge and Charge E

The colour codes apply from software version 3.3.20 and later.

Everyday use



Solid white: standby



Rotating white: charging in progress



Solid white: finished



Pulsing white: the Wallmount lock is open



Solid red: error during charging. Check the Enua app or www.enua.cloud

Start-up and updating



Solid blue: the charger is starting up



Purple animation: software update

Installation and authorisation



Solid yellow: waiting for authorisation after the charging cable is connected (RFID tag or charge point operator)



Pulsing blue: checking authorisation



Solid green: authorisation approved



Flashing red: authorisation denied

Installation, after a charger is fitted on a Wallmount



Constant red: the Wallmount is not configured



Solid yellow: no permission to use the Wallmount

Technical specifications

Article number
27003

Material
PC/ASA, PA6

Weight
0.70 kg

Dimensions (mm)
H: 143 x W: 135 x D: 77

Protection grade
UV resistant
IP45 enclosure rating
IK10 impact protection
UL94-V0 flame resistance

Mounting points
4 mounting points, 5 mm holes

Rated values
230/400 V, 50 Hz
32 A per charging point
63 A feed-through

Temperature
−30 to +50 °C

Installation

All national and local requirements for low-voltage installations must be followed during installation. Maximum 63 A current flow when connecting several Enua Wallmounts in series.

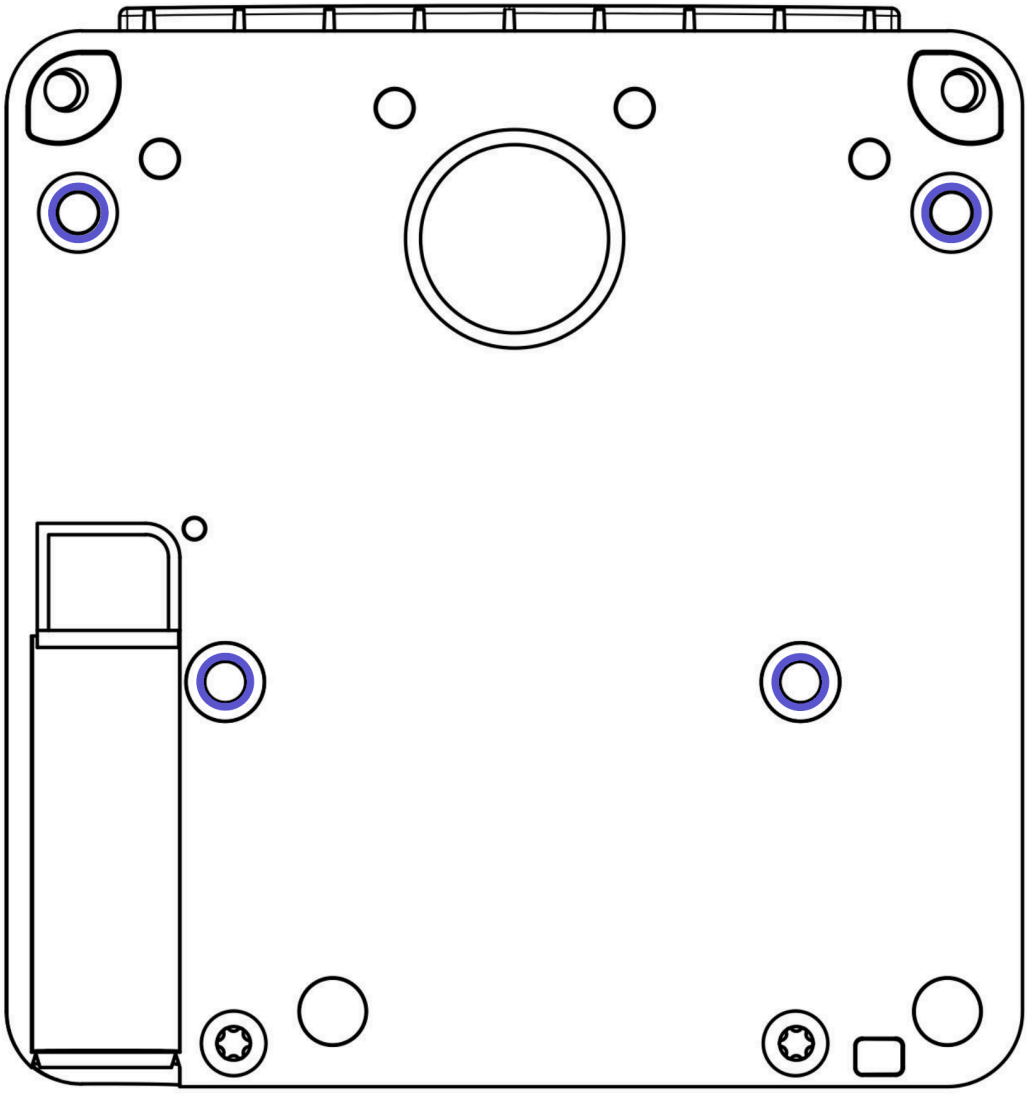
Connection

- Cable through grommet (top and back): 15–22 mm outer diameter.
- Cable through the bottom entry: max 20 mm, without grommet.
- Conductors from 2.5 to 16 mm². Solid and stranded.
- Ferrules are not required.
- TN networks, and IT and TT networks with 230 V. TT networks with 400 V are not supported.
- 1-phase and 3-phase connection (PE + N + L1/L2/L3).
- 5 cable entries in total: 3 in the top, 1 in the back, 1 in the bottom.

Hole pattern

1 : 1

Print at 100 % size. Control dimension: the Wallmount on the drawing must be 135 mm wide. Measure before you drill.



V10001-7 · 2026
Enua Wallmount. Installation manual
Latest version: enua.io/en/documentation

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