



Installer & User Manual

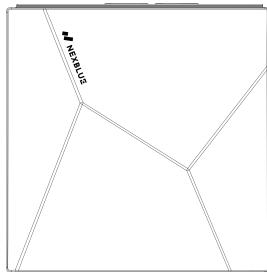
NexBlue Ready

Online Version

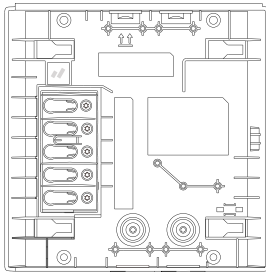


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Blind Cover



Backplate

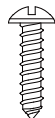


Φ 4×8 mm T20



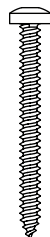
x2

Φ 4×20 mm T20



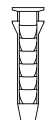
x4

Φ 5×50 mm T20



x4

Φ 8×40 mm



x4

Sealing Plug



x1

Cable Clamp



x2

Technical specifications

General

Dimensions (mm)	H: 235 × W: 230 × D: 73
Wall Mounting (mm)	H: 206 × W: 130
Color	Black
Installation kit	Included

Charging

Charging Power	1.4 to 22 kW
Rated Current	6 A 1 phase to 32 A 3 phase
Voltage	3 × 400V AC / 230V AC (±10%)
Mains Frequency	50 Hz
Installation Network	TN, IT, or TT

Regulations

LVD	2014/35/EU
RoHS	2011/65/EU

Installation

Terminal torque	5 Nm
Cable strip length	12 mm
Wire cross-section	2.5 to 16 mm ² (single conductors) / 2.5 to 10 mm ² (parallel conductors)* Ensure the PE conductor has an equal or larger cross-section than the phase wire. Use the largest feasible wire size to future-proof the installation.

Protection

Built-in Residual Current Protection ^{1,3}	RDC-DD (6 mA DC) according to IEC 62955 + 30 mA AC according to IEC 60947-2, annex M ²
Upstream Circuit Breaker	<ul style="list-style-type: none"> Edge 2 / Edge Max: MAX 40A Delta / Delta Max: MAX 63A Instantaneous trip, maximum 75 000 A ² s
Ingress Protection	IP44 (IP22 without blind cover)
Impact Protection	IK10

1. Whether an external RCD is required depends on the actual installation conditions on site and the approval of the authorized installer during the installation process. To get more RCD information, please find: <https://nexblue.com/pages/rcd-technical-guide>

2. Make sure the upstream circuit breaker complies with local electrical regulations.

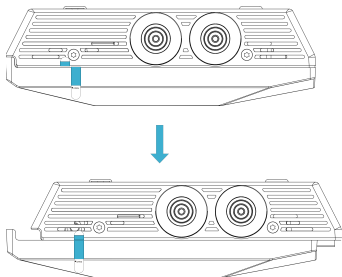
3. Before each charge or at least 24 hours, the built-in Residual Current Device will automatically perform a selfcheck. The button at the right bottom of the charger is available for manual selfcheck.

Installation guide

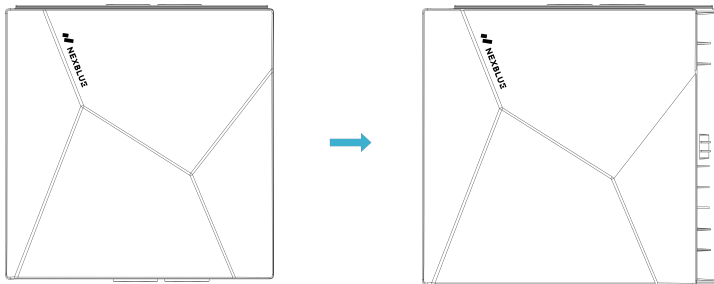
Notice! The installation must be carried out by a qualified electrician only. When using and installing this product, please make sure to have the instruction manual at hand.

1. Opening

- Installation and operation of the product requires a mobile device with NFC and internet connection.



- Detach the NexBlue Ready by pushing the blind cover leftward, guided by the blue reminder stickers.

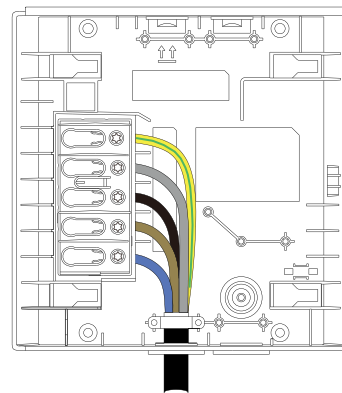
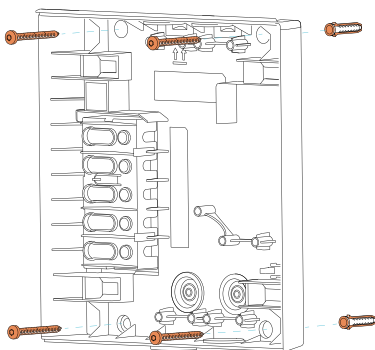
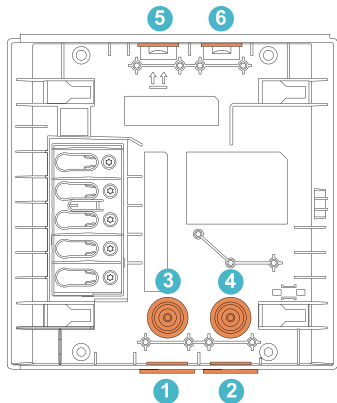


2. Preparing and Mounting

- Choose one of the six cable entries as stated above and cut the sealing plug to fit the cable (Cable entry 1 recommended).
- Determine the installation height. (recommend 120-170 cm)

- Fix the backplate to a stable wall or surface with the provided 4 backplate screws and wall anchors.

- Insert the cable through the cut sealing plug and secure it to the backplate using the provided cable clamp.



Safety instructions

Notice! Please read the safety instructions carefully before installing and operating the product. Pay special attention to the instructions marked with stars.

Installation

- *1. Ensure that this product is properly connected to an upstream circuit breaker^o and an RCD suitable for the electrical connection and meeting the requirements of the applicable regulations (30mA type A RCD recommended). Please note that regulations may vary by region or country.
- *2. Installation of this product is restricted to certified electricians. Ensure compliance with national and regional regulations during the installation process.
3. Ensure the AC grid connection and load planning for the charger aligns with the current national and regional laws, regulations, and standards. Review and obtain approval from the relevant authorities for compliance.
4. Before and during installation, make sure to switch off the power and electricity. Activate the power only after the entire installation has been completed by a qualified electrician.
5. Ensure products are stored away from inflammables, explosives, or flowing water. Avoid exposure to direct sunlight and extreme weather conditions, such as blizzards and thunderstorms.
6. Maintain a relative humidity in the storage and usage space below 95%. Avoid the presence of radioactive or corrosive substances. Maintain a stable temperature within the range specified in the technical specifications. For outdoor facilities, conduct inspections in accordance with local laws and regulations.
7. Ensure this product is safely installed in a fixed location with sufficient wall or structural load bearing capacity.
8. Avoid installing this product in close proximity to strong electromagnetic fields or radio transmitters.
9. Follow the installation guide for the open and close step of the installation to avoid damaging the NexBlue charger.
10. Avoid using the charging cable with extension cables or adapters; use only cables specified in the IEC 62196. Do not step on or squeeze the cable during installation. To ensure safe and efficient charging, the electrician must verify that the cable and charger are compatible and free from any wear or damaged insulation. Position the cable in a way that prevents unintended movement by humans, animals, or other moving objects.
11. The electrician and purchaser are responsible for connecting and installing the ground protection. It is critical that the installation is correctly grounded and that a suitably grounded receptacle is used in accordance with local laws and regulations.
12. The equipment is intended for non-restricted access.

Operation

- *1. Ensure thorough reading of the safety instructions before using or servicing the charger. Failure to follow and apply all the instructions and procedures outlined in this quick guide will void the warranty and result in NexBlue and its partners waiving all liability and claims for compensation.
2. Please keep the PIN code in a safe place as you might need to use it in the future.
3. When the power circuit is active, the terminals on the backplate are electrified and should never be touched or contacted, except during the standard slide-in installation of the charger by a qualified electrician.
4. The optional function for ventilation is not supported by the charger (EN IEC 61851-1 6.3.2.2).
5. Do not use any conductor or foreign objects except cable plugs to touch the socket.
6. Users should avoid forcefully pulling or poking the cable with sharp objects, and should refrain from touching the cable plug with wet hands.
7. Never use extension cords, and promptly replace any damaged cables or plugs to prevent any potential safety hazards.
8. Do not allow individuals (including children) with reduced physical, sensory, or mental capabilities, or those lacking experience and knowledge, to use electrical devices unsupervised.

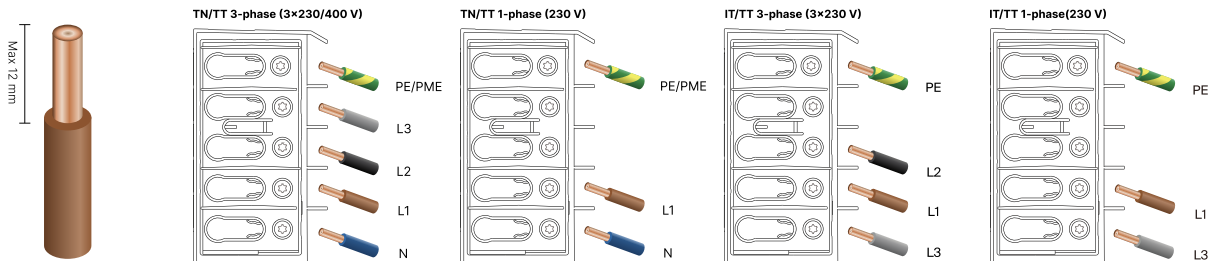
Maintenance

- *1. Ensure that repairs are performed by workshops approved by the manufacturer, and maintenance of the charger must adhere to national and regional laws, regulations, and standards.
2. Maintenance for the charger should only be performed by authorized electricians. Ensure that power is disconnected before disassembly, and follow the reverse operations as per the instruction manual.
3. Transport chargers in their packaging. In the event of a fall, conduct a visual inspection to avoid damage. Do not use damaged products.
4. Contact NexBlue customer support to dispose the charger.

3. Wiring

- Insert the cable and tighten the screws (8 Nm).

- The cable colors may vary in accordance with national standards. The illustrations provided in this manual adhere to the IEC 60446 standard.
- This illustration is for general guidance only. Please refer to local regulations and standards for specific installation requirements.
- 2.5 to 16 mm² (single conductors) / 2.5 to 10 mm² (parallel conductors), if permitted by local regulations.



4. Backplate Configuration

- Scan the QR code to download the NexBlue Partner App² and follow the instructions to create or select an existing Location.

NexBlue Partner for Installers



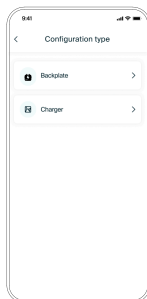
iOS App Store

NexBlue Partner for Installers

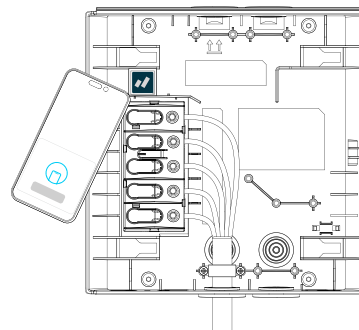


Google Play

- Select to add a new backplate.



- Activate NFC according to the instructions in the App.



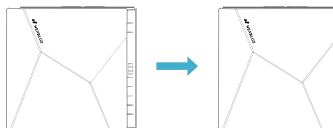
- The mobile device needs to support NFC.

5. Fixing

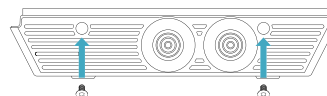
- Make sure the wires are properly connected before turning on the power.



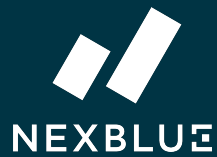
- Push the blind cover to the right (opposite direction shown in step 1). Ensure the blind cover and backplate are tightly closed all around without any gaps.



- Tighten two anti-theft screws at the bottom to secure the whole NexBlue Ready. You may remove the reminder stickers after finishing the installation.



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