Manuals+ — User Manuals Simplified.
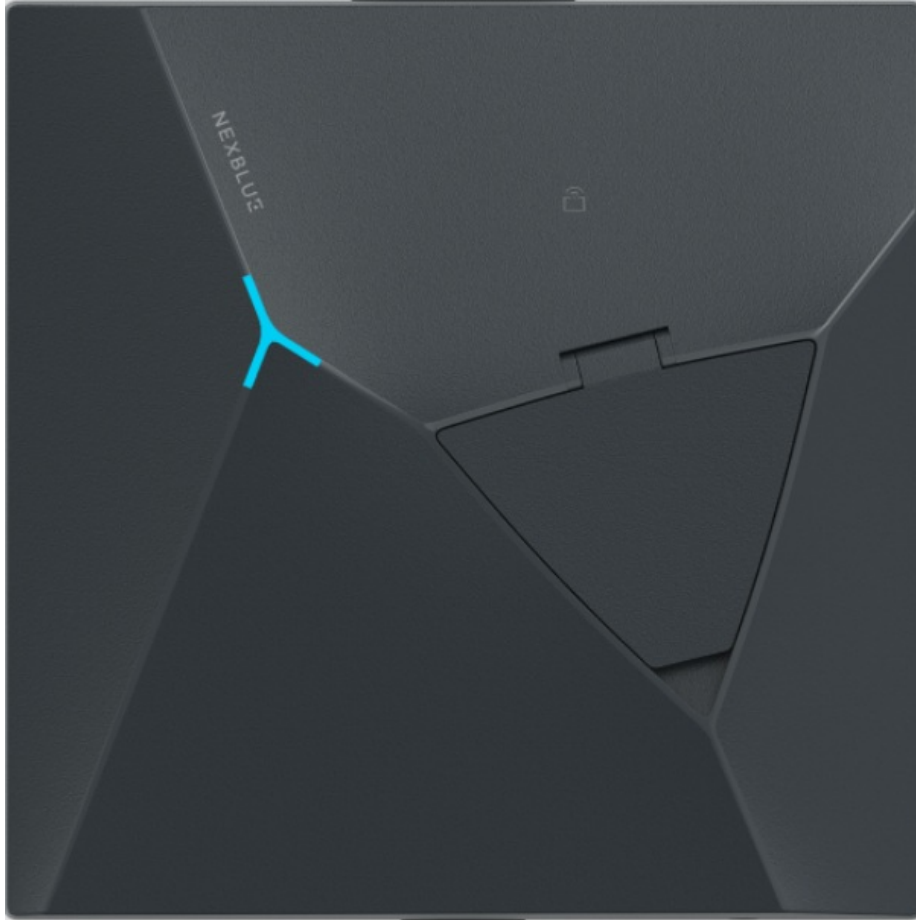

NEXBLUE

Nex Blue Edge Ladd Box

NEXBLUE Nex Blue Edge Ladd Box Instruction Manual

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Nex Blue Edge Ladd Box

User Interface

- Enclosure: Plastics
- LED Indicator: Red / Green / Blue / White / Orange
- RFID Reader: ISO / IEC 14443 Type A
- Start Mode: myNexBlue APP / RFID / NFC / Plug & Play / NexBlue
- User Portal

Connectivity

- Wi-Fi: 2.4 GHz 802.11b/g/n
- Built-in eSIM: 4G (LTE Cat M1) / 2G / GPRS
- Nexus RF Bluetooth: BLE 4.2
- OCPP: Local OCPP 1.6-J

Regulations

- EU Type Examination Certificate (Module B)
- Compliant with: 2014/53/EU (RED) | 2014/35/EU (LVD) 2014/30/EU
- (EMC) | 2011/65/EU (RoHS)

- The Electric Vehicles (Smart Charge Points) Regulations 2021
- See DoC for details at **https://nexblue.com/pages/docdeclaration-of-conformity**

Ev Charger

⚡ One for All and Future-oriented

- Adaptive to 1.4-22 kW charging power
- All grid systems compatible: TN-C-S, TN-C, TN-S, and TT
- OTA updates with WiFi / 4G eSIM / BLE
- Local OCPP 1.6-J supported

🛠 Easy Installation and Configuration

- 4-minute installation
- Back plate design enables easy installation, maintenance and scalability
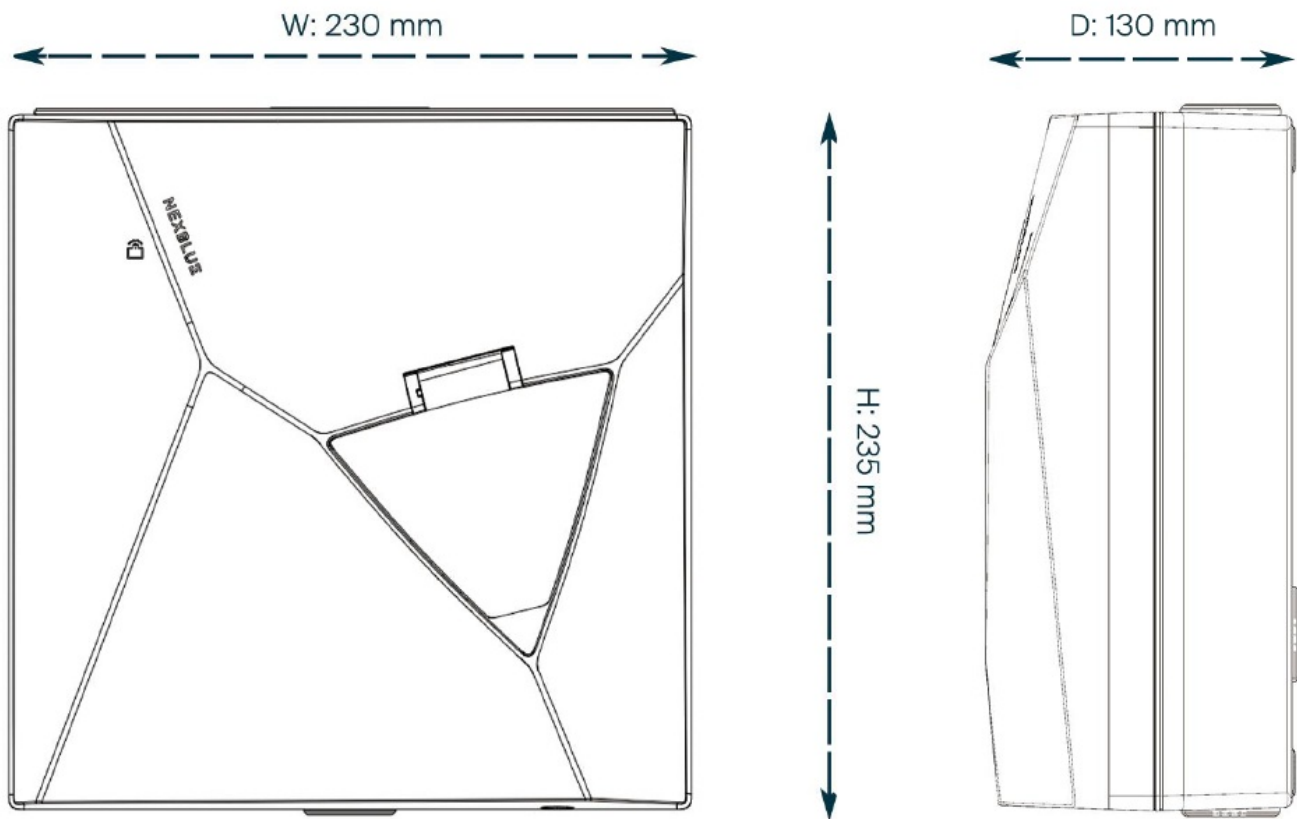- NexBlue APP & Portal provide convenient configurations

💳 Cost Saving

- OZEV-approved for both commercial and residential grants
- Dynamic load balancing (with NexBlue Zen)
- Solar surplus charging (with NexBlue Zen)
- Low-cost charging with energy tariffs
- Schedule charging during off-peak hours

🎗 Safety and Reliability

- CE certified by leading testing agencies: SGS & TUV
- 22 smart sensors ensure protection and safety
- PEN-fault protection integrated (1/3 phase)
- Anti tamper protection

Dimensions

W: 230 mm

D: 130 mm

H: 235 mm

General

- **Dimension (mm)**
  - H: 235 x W: 230 x D: 130
- **Wall Mounting (mm)**
  - H: 206 x W:130
  - Weight: 1.9 kg
- **Operating Temperature**
  - -30 °C to +50 °C
- **Storage Temperature**
  - -40 °C to +70 °C
- **Working Humidity**
  - 5% to 80%Working Altitude: < 2000 m External Package: Carton Warranty: 3 years

Protection

Built-in Residual Current Protection
RDC-DD (6 mA DC) according to IEC 62955 + 30 mA AC*

PEN Fault protection
Integrated protection according to BS 7671:2018/A2:2022

Ingress Protection
IP54

Impact Protection
IK08

UV Resistant

Insulation Class
I

Overvoltage Category
III

EMC Level
CLASS B

Other Protection
Overload protection Residual current protection Surge protection Over/under voltage protection Temperature protection Relay welding protection PE presence detection CP diode presence detection

Installation

- Ensure you have all the necessary tools and equipment for installation.
- Follow the installation manual provided with the product for step-by-step guidance.
- Use the back plate design for easy installation, maintenance, and scalability.

Configuration

- Download the NexBlue APP on your smartphone.
- Use the APP or the NexBlue User Portal to configure your NexBlue Edge EV Charger.

Charging

- Connect your electric vehicle to the charger using the appropriate cable.
- Schedule charging during off-peak hours for cost-saving benefits.

Charging Power

- 1.4 to 22 kW

  Charge Connector
- Type 2 Socket

  Rated Current
- 6 A 1 phase to 32 A 3 phase

  Maximum Output Current
- 32 A Voltage: 3 * 400 V AC / 230 V AC (±10%)

  Installation Network
- TN-C-S, TN-C, TN-S, and TT

  Mains Frequency
- 50 Hz

  Built-in Energy Meter
- ±2%

Regulations

EU Type Examination Certificate
(Module B) Confirming Compliant with: 2014/53/EU (RED) | 2014/35/EU (LVD) 2014/30/EU (EMC) | 2011/65/EU
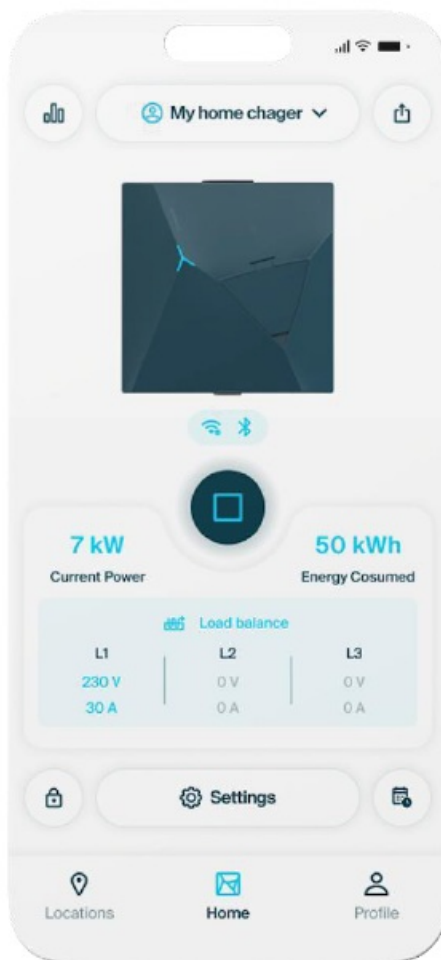(RoHS) The Electric Vehicles (Smart Charge Points) Regulations 2021
See DoC for details at
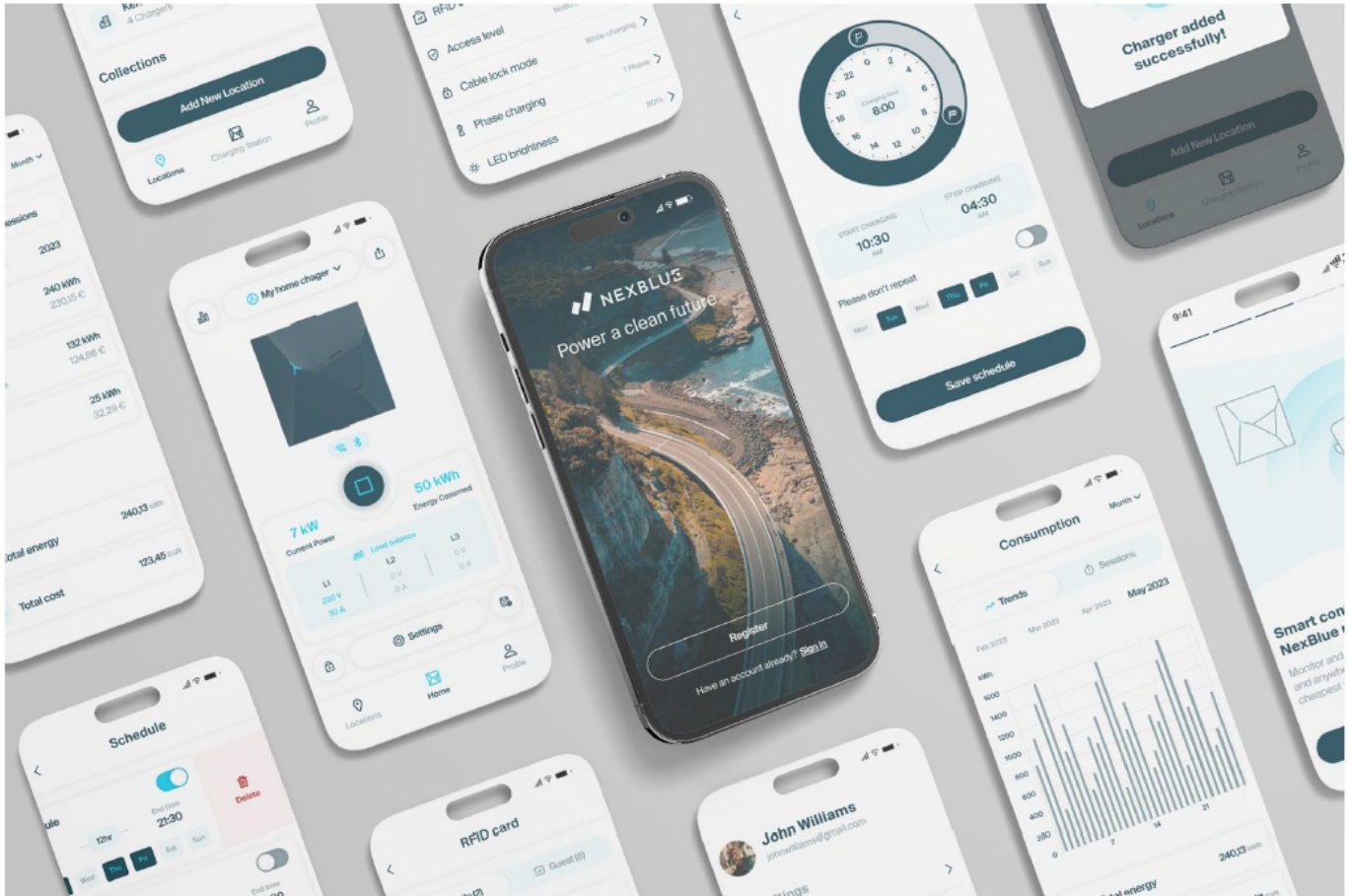**https://nexblue.com/pages/doc-declaration-of-conformity**

Safety

- Ensure the charger is CE-certified by checking for the SGS & TUV certifications.
- Monitor the LED indicators for any alerts related to safety or operation.

myNexBlue APP enables users to

- Monitor and control your charging smartly
- Seamless Local Control via Bluetooth
- Schedule your charging in the most affordable and cleanest way
- Track your charging statistics and history
- Integrated with external service providers via local OCPP or our proprietary APIs
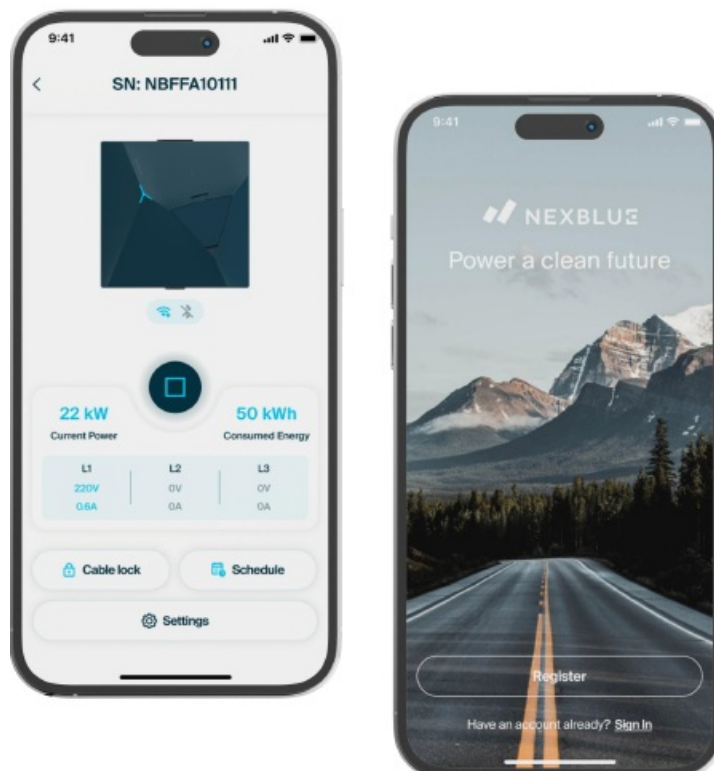- Share your chargers' access with your family and friends

- Multiple charging on/off options: Plug&Play, RFID, mobile NFC, and APP control
- Online diagnosis and OTA upgrades

Build a Smooth Installation Experience
Software Design for Installers and Organizations

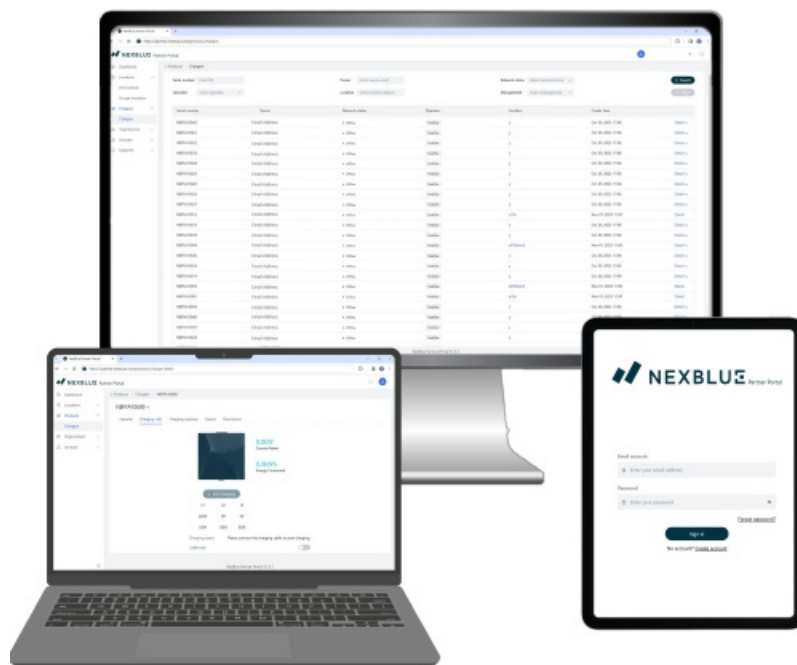**NexBlue Partner APP enables installers to**

NexBlue Partner APP enables installers to

- Create new installation locations or manage existing ones

- Configure new chargers

- Conduct post-configuration testing for the chargers

- Facilitate the transfer of locations to new owners

- Monitor real-time status for maintenance purposes

- Change operators as the owners' preferences

NexBlue Partner Portal enables installers and organizations to

- Oversee and monitor installation locations

- View and export charging consumption data by user, charger or RFID card

- Manage all installations within a NexBlue Registered Organization

- Provide real-time status monitoring and reconfiguration for installed chargers

- Facilitate pre-configurations prior to installations

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Instagram@nexblue.official

Website
www.nexblue.com
For Technical Specification, please visit
https://nexblue.com/pages/product-sheet

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FAQs

Q: Is the NexBlue Edge EV Charger suitable for residential use?
Yes, the NexBlue Edge EV Charger is OZEV-approved for both commercial and residential grants.

Q: Can I monitor my charging statistics remotely?
Yes, you can use the myNexBlue APP to track your charging statistics and history from anywhere.

Q: How can I share access to my charger with others?
You can share access to your charger with family and friends using the myNexBlue APP or RFID/NFC methods.

Documents / Resources

 NEXBLUE Nex Blue Edge Ladd Box [pdf] Instruction Manual
2297461_03_NB2620ABLACK, UK_ProductSheet_Nexblue_Edge_UK__V1.0, Nex Blue Edge Ladd Box, Blue Edge Ladd Box, Edge Ladd Box, Ladd Box

References

- **User Manual**