NEXBLUE

Power a Clean Future.

Product Sheet (EN) | NexBlue Edge 2

NexBlue Edge 2

EV Chargers for Domestic Scenarios

NexBlue Edge 2

One for All, Ready for the Future

Adaptive to 1.4-22 kW charging power

All grid systems compatible: TN/TT/IT

Always online with Ethernet / WiFi / 4G eSIM

Fully ready for ISO 15118 / V2G / Plug & Charge

Compatible with Local OCPP 1.6-J and 2.0.1

Proprietary APIs for seamless integration

Safe by Design, Smart by Nature

Built to last: 5-year warranty

CE certified by TÜV Rheinland

40+ smart sensors ensure protection and safety

Dynamic local/cloud load and phase balancing*

Automatic phase selection based on load distribution*

Solar surplus charging with auto 3–1 phase switching*

Cost-Effective, Intuitive to Use

Tariff charging at the lowest cost with EcoPilot mode

Integrated with most mainstream platforms and software

Easy-to-use myNexBlue App & Portal

Track energy usage to improve consumption efficiency

Fast to Install, Simple to Support

4-minute installation per charger

Instant NFC commissioning with just one tap

Backplate design enables quick and cost-effective installation, maintenance, and scalability

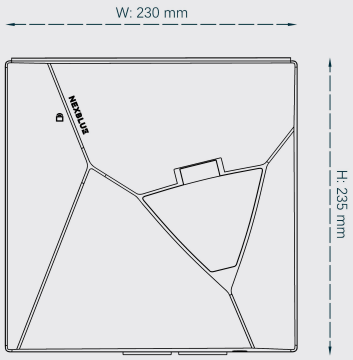
Fast replacements via RFID-enabled backplate

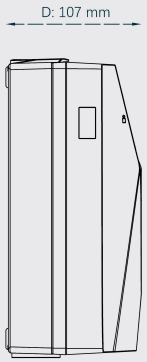
Remote management via NexBlue Partner App & Portal

* With NexBlue Zen

NexBlue Edge 2

Dimensions





Technical Information

General

Dimension (mm)
H: 235 x W: 230 x D: 107

Wall Mounting (mm)
H: 206 x W: 130

Weight
2.3 kg

Operating Temperature
-30 °C to +50 °C

Storage Temperature
-40 °C to +70 °C

Working Humidity
5% to 95%

Working Altitude
< 2000 m

External Package
Carton

Warranty
5 years

Connectivity

Wi-Fi
2.4 GHz 802.11b/g/n

Built-in eSIM
4G LTE Cat 1

Ethernet
RJ45, 10M / 100M

Bluetooth
BLE 4.2

Local Radio Frequency
Nexus™ RF

OCPP
Local OCPP 1.6-J & 2.0.1

ISO 15118
Ready for V2G / PnC

Other Interfaces
1 or 3 x CT clamps
Load shedding
RS-485

Charging

Charging Power
1.4 to 22 kW

Charge Connector
Type 2 Socket (IEC 62196-2)
Electronic lock with permanent lock option

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, IT or TT (auto detect)

Mains Frequency
50 Hz

Built-in Energy Meter
±1%

Load management
Up to 5 units per location

User Interface

Enclosure
Plastics

LED Indicator
Red / Green / Blue
White / Orange

RFID Reader
ISO / IEC 14443 Type A
MIFARE Classic®

Start Mode
myNexBlue App / RFID NFC / Plug & Play / AutoCharge
NexBlue User Portal

Protection

Built-in Residual Current Protection
RDC-DD (6 mA DC) according to IEC 62955 + 30 mA AC according to IEC 60947-2, annex M

Ingress Protection
IP54

Impact Protection
IK10

UV Resistant

Insulation Class
I

Overvoltage Category
III

EMC Level
CLASS B

Other Protection
Overload protection
Over/under voltage protection
Temperature protection
Relay welding protection
Ground fault protection
PE presence detection
CP diode presence detection
Humidity monitoring

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)

REACH Regulation (EC) No 1907/2006

See DoC for details at
https://nexblue.com/pages/doc-declaration-of-conformity

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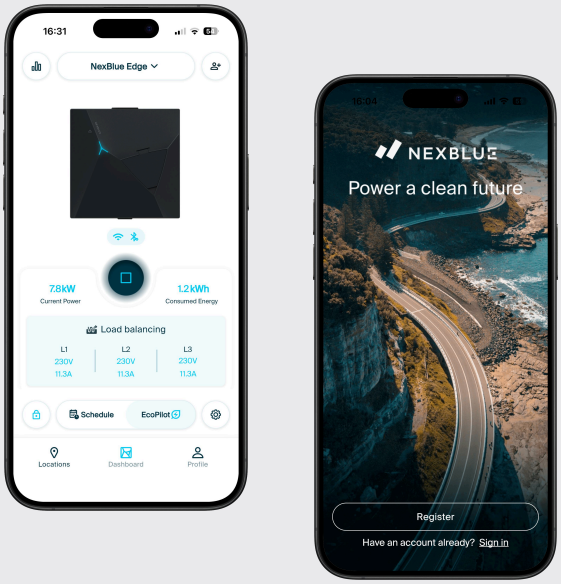
Build a Smart Charging Experience

Software Designed for Users



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

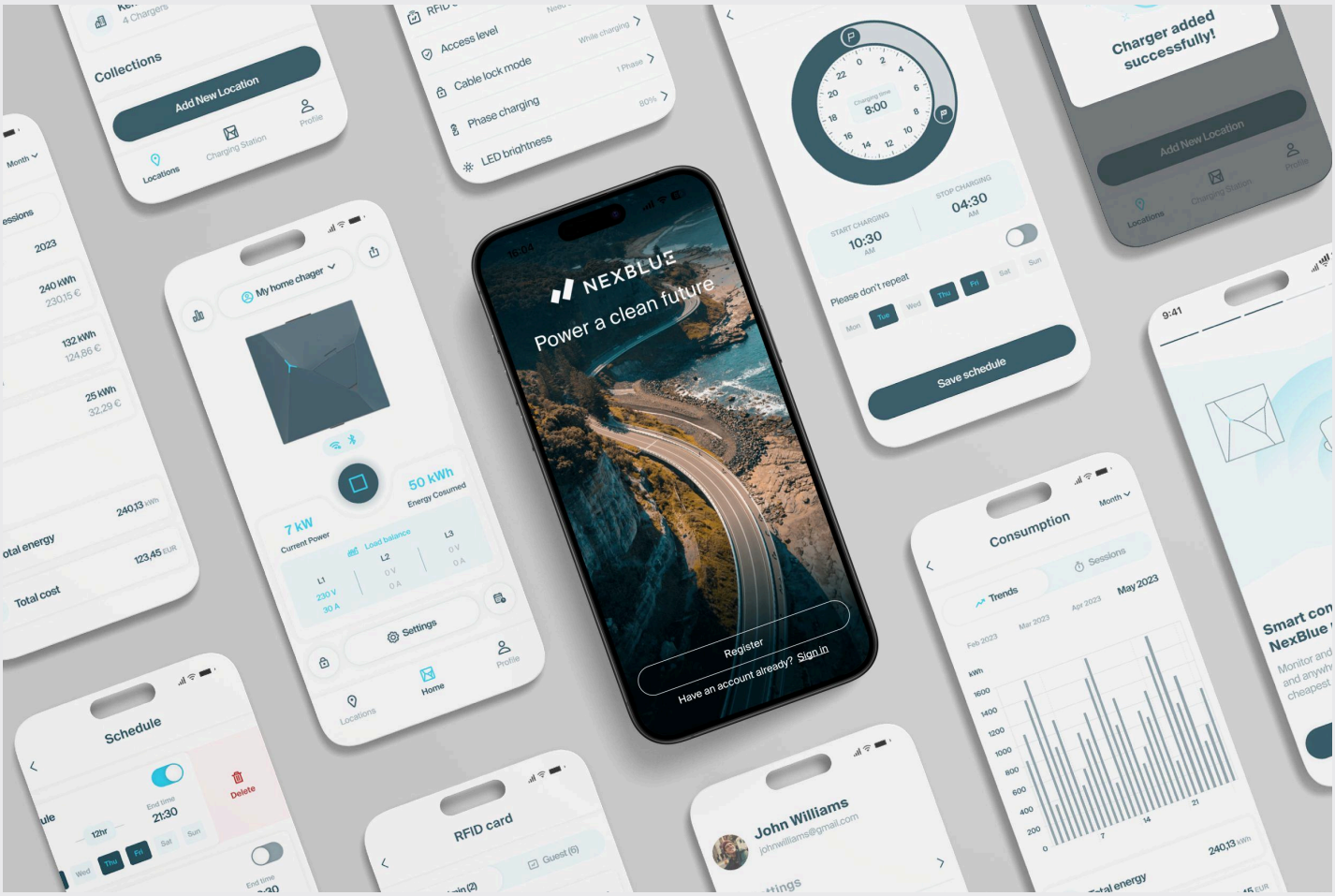
Track your charging statistics and history

Integrated with external service providers via local OCPP or our proprietary APIs

Share your chargers' access with your family and friends

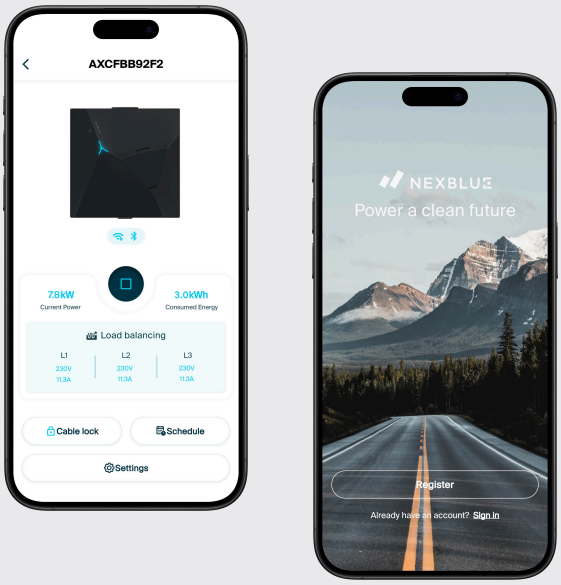
Multiple charging on/off options: Plug&Play, RFID, mobile NFC, and App control

Online diagnosis and OTA upgrades



Build a Smart Installation Experience

Software Designed for Installers and Organizations



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

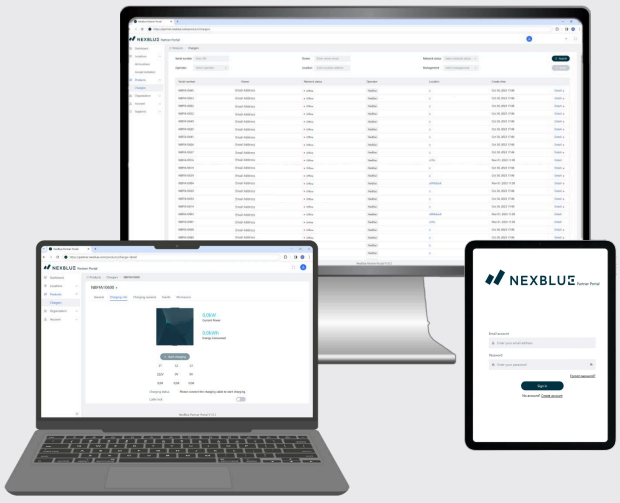
Provide real-time status monitoring and reconfiguration for installed chargers

Visualize and export charging session essential data for after-sales support

Facilitate pre-configurations prior to installations

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

Collaboratively manage all installations within Organization with members



NEXBLUE

ISO 15118, V2G and Plug & Charge

At NexBlue, we view ISO 15118 as a strategic priority, enabling both V2G (Vehicle-to-Grid) energy interaction and Plug & Charge seamless authentication. These are not just charging features, but key building blocks of the future energy ecosystem.

NexBlue chargers are designed as core nodes of a clean energy future — integrating with solar, storage, and the grid to make every EV part of a smarter, greener, more resilient energy system.

NexBlue believes ISO 15118, V2G and Plug & Charge are not only standards, but foundations of a zero-carbon future.

Benefits

Drivers enjoy secure, instant authentication and payment with Plug & Charge, while V2G turns their EV into a home and grid energy resource, lowering costs and boosting independence.

Utilities & energy providers gain flexible grid balancing and standardized billing, unlocking new business models.

Fleets & enterprises streamline operations with automated settlement and can monetize idle energy by feeding it back to the grid.

Implementations

ISO 15118-3	ISO 15118-2	ISO 15118-20
Hardware Ready	AC Charging, V2G, Plug and Charge (PnC)	AC Charging, AC BPT* (V2G), Plug and Charge (PnC)

* BPT: Bidirectional Power Transfer

Technical Information

ISO 15118-2 & ISO 15118-20

Application Layer OSI layer 7	Application layer messages (V2G Message), SDP (SECC Discovery Protocol)	◉
Presentation Layer OSI layer 6	EXI (Efficient XML Interchange)	◉
Session Layer OSI layer 5	V2GTP (Vehicle-to-Grid Transfer Protocol)	◉
Transport Layer OSI layer 4	UDP, TCP, TLS	◉
Network Layer OSI layer 3	IP, SLAAC, DHCP	◉

ISO 15118-3

Data link Layer OSI layer 2	SLAC(Signal Level Attenuation Characterization)	◉
Physical Layer OSI layer 1	PLC(Power Line Communication)	◉

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For Technical Specification, please visit
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