



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

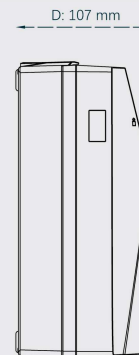
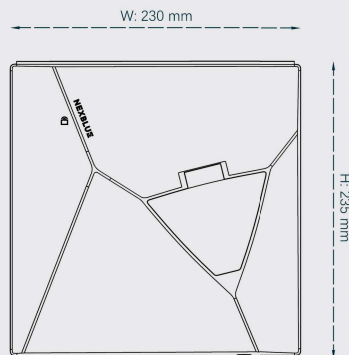
Tariff charging at the lowest cost with EcoPilot mode
Integrated with most mainstream platforms and software
Easy-to-use myNexBlue App & Portal
Track energy usage to improve consumption efficiency

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

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)

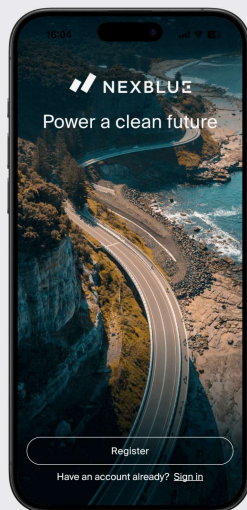
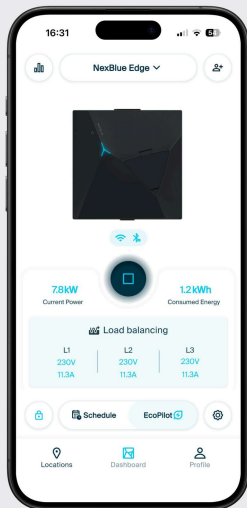
REACH Regulation (EC) No 1907/2006

See DoC for details at

<https://nexblue.com/pages/doc-declaration-of-conformity>

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

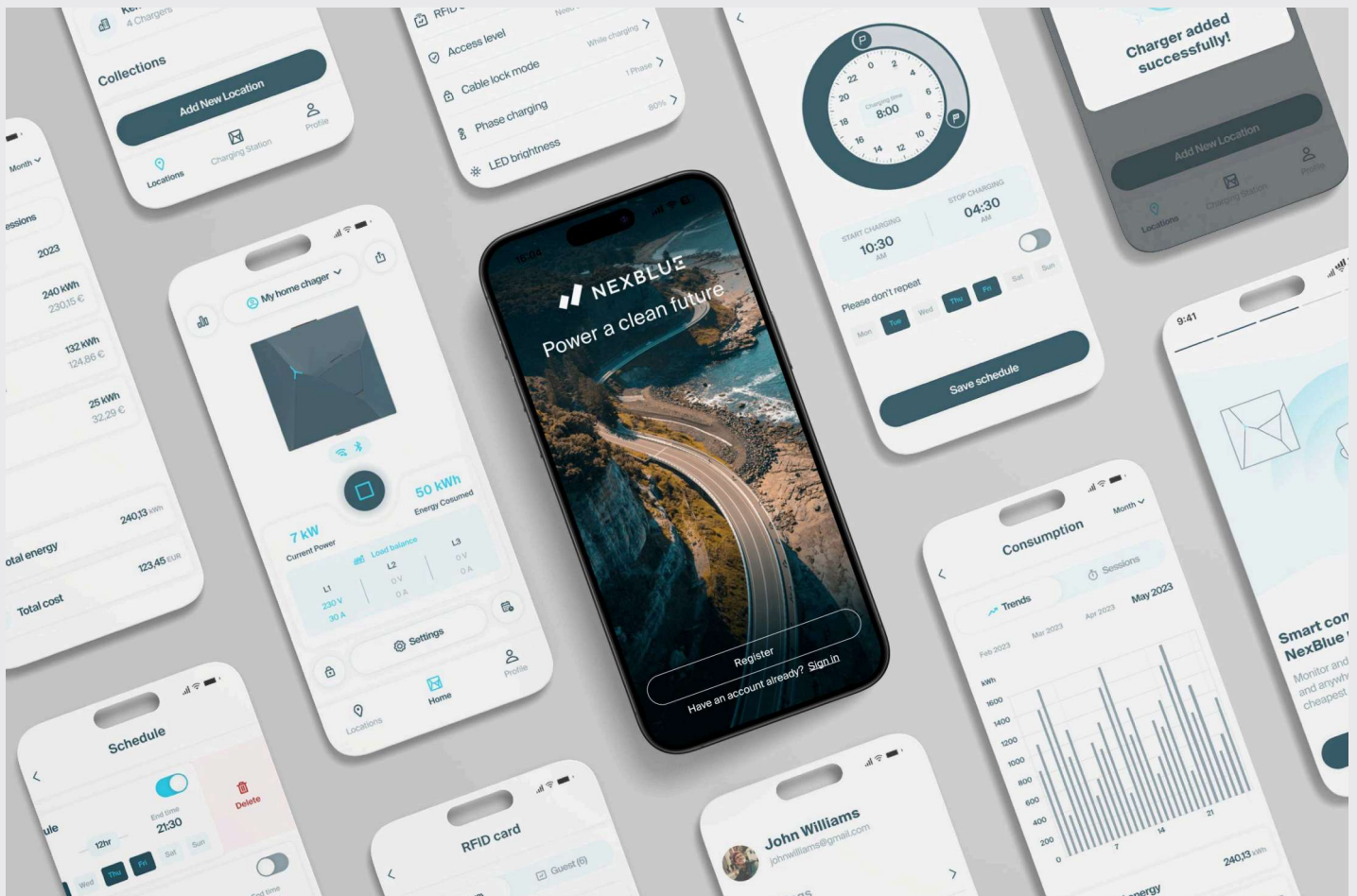
Track your charging statistics and history

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

Share your chargers' access with your family and friends

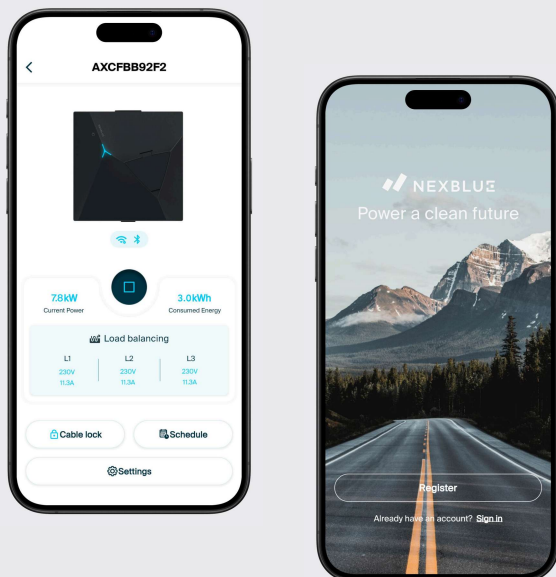
Multiple charging on/off options: Plug&Play, RFID, mobile NFC, and App control

Online diagnosis and OTA upgrades



Build a Smart Installation Experience

Software Designed for Installers and Organizations

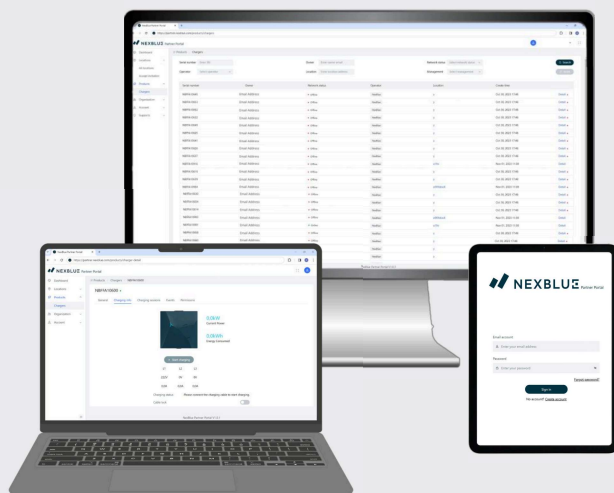


NexBlue Partner App enables installers to

- 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



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.
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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

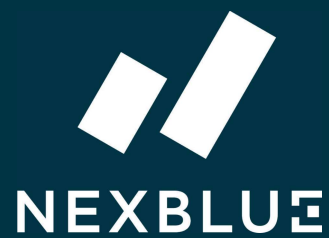
Technical Information

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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