

NEXBLUE

Be current.
Always forward

EU Product Brochure - Full specifications

About NexBlue

NexBlue develops AC charging infrastructure for professional installations in residential, shared and commercial environments across Europe.

Our focus is reliability, compliance and scalability. NexBlue products are designed to translate evolving charging standards and smart energy concepts into solutions that can be installed, certified and managed with confidence.

Working with installers, wholesalers and infrastructure partners across Europe, NexBlue supports the transition to electric mobility with charging solutions built for long-term performance.



Solidly built

Products designed with electrical safety, certification and regulatory compliance as the starting point.

Intelligent, not complex

Advanced functionality without unnecessary operational complexity.

Built for real installations

Charging infrastructure developed for homes, apartment buildings and commercial locations as they function in practice.

Future-proof

Hardware and software prepared for evolving standards including ISO 15118.

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EV charging solutions for residential and commercial installations

NexBlue delivers AC charging solutions for residential and commercial installations, designed for fast installation and straightforward configuration. With installation in approximately 4 minutes per charger, an RFID-compatible backplate and integrated load management, projects can be installed efficiently, scaled reliably with OCPP 1.6-J and 2.0.1, and prepared for emerging standards including ISO 15118.






	NexBlue Edge 2	NexBlue Edge Max	NexBlue Delta	NexBlue Delta Max
Ideal project type	Residential & small-scale	Residential & small-scale with MID billing	Workplace & commercial	Large sites with MID billing
Chargers per location	Max. 5	Max. 5	Unlimited	Unlimited
Charging capacity	1.4–22 kW	1.4–22 kW	1.4–22 kW	1.4–22 kW
Charging connector	Type 2 Socket or Cable (7.5 m)	Type 2 Socket or Cable (7.5 m)	Type 2 Socket	Type 2 Socket
MID certified	✗	✓	✗	✓
Load management	Local & cloud	Local & cloud	Local & cloud	Local & cloud
OCPP 1.6-J & 2.0.1	✓	✓	✓	✓
Connectivity	Ethernet, WiFi, LTE Cat1, BT, Nexus RF, Modbus	Ethernet, WiFi, LTE Cat1, BT, Nexus RF, Modbus	Ethernet, WiFi, LTE Cat1, BT, Nexus RF, Modbus	Ethernet, WiFi, LTE Cat1, BT, Nexus RF, Modbus
Solar surplus charging	✓	✓	✓	✓
ISO 15118 / V2X ready	✓	✓	✓	✓

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NexBlue Edge series features

EV chargers for residential use, available with a Type 2 socket or an integrated 7.5 m Type 2 cable



NexBlue Edge 2
Tethered



NexBlue Edge Max
Socket

One solution, ready for the future

- 1.4–22 kW charging capacity
- Compatible with grid types: TN / TT / IT
- Always connected via Ethernet / WiFi / 4G eSIM
- Full ISO 15118 / V2G / Plug & Charge readiness
- Local OCPP 1.6-J and 2.0.1
- Native APIs and Modbus for seamless integrations

Built to last, smart to use

- 5-year warranty
- 40+ smart sensors for protection and safety
- Load and phase balancing between chargers (local or cloud), plus dynamic load balancing with NexBlue Zen
- Solar surplus charging with automatic 3-phase switching (requires NexBlue Zen)
- Automatic phase selection based on load distribution (requires NexBlue Zen)

Cost-effective, intuitive by design

- Lowest-cost charging with EcoPilot dynamic tariff mode
- Integrated with most common platforms and software
- Intuitive myNexBlue app and partner portal
- Real-time charging data on OLED display (Edge Max only)
- MID certified for business reimbursement at home (Edge Max only)

Fast to install, easy to support

- Installation in approximately 4 minutes per charger
- Instant NFC activation with a single tap
- Remote management via NexBlue Partner app and portal
- Smart backplate for fast, cost-efficient installation and quick replacement
- Cable management hook included in pack with the tethered variant

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NexBlue Edge series specifications

General

Dimensions (mm)	H: 235 x W: 230 x D: 107
Wall mounting (mm)	H: 206 x W: 130
Cable length	7.5m (tethered unit only)
Operating temperature	-30 °C to +50 °C
Storage temperature	-40 °C to +70 °C
Relative humidity	5% to 95%
Max. altitude in use	< 2,000 m
Packaging material	Cardboard
Warranty	5 years

Connectivity

WiFi	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 868 MHz
OCPP	Local OCPP 1.6-J & 2.0.1
ISO 15118	Ready for V2G / PnC
Other interfaces	RS-485, 1 or 3 CT clamps, external grid control (e.g. load shedding)

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
Insulation class	Class I
Overvoltage category	Category III
EMC level	Class B
UV resistant	✓
Other protection	Overload, relay welding, temperature, over/under voltage, CP diode presence, humidity monitoring, ground fault

Charging

Charging capacity	1.4–22 kW
Charging connector	Type 2 (IEC 62196-2), electronic lock with permanent locking option
Rated current	6 A single-phase to 32 A three-phase
Maximum output current	32 A
Voltage	3 × 400 V AC / 230 V AC (±10%)
Installation grid	TN, IT or TT (automatic detection)
Grid frequency	50 Hz
Built-in energy meter	Edge 2: ±1% Edge Max: MID Class B ±1% (EN 50470-3: 2022)
Group load balancing	Max. 5 units per location

User interface

Enclosure	Plastic
LED indication	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	✓

Regulations

Complies with	2014/53/EU (RED), 2014/35/EU (LVD), 2014/30/EU (EMC), 2011/65/EU (RoHS)
REACH	Regulation (EC) No 1907/2006
MID	Edge Max: EU Type Examination Certificate (Module B & Module D) Confirming Compliant with 2014/32/EU (MID)
Further info	See nexblue.com/pages/document- and-manuals

Key differences

	Edge 2 Socket	Edge 2 Tethered	Edge Max Socket	Edge Max Tethered
Charging connector	Type 2 socket	Integrated 7.5 m Type 2 cable	Type 2 socket	Integrated 7.5 m Type 2 cable
Weight	2.3 kg	4.9 kg	2.3 kg	4.9 kg
Interface	LED status indicator	LED status indicator	OLED screen	OLED screen
MID certified	✗	✗	✓	✓

NexBlue Delta series features

EV chargers for commercial use



NexBlue Delta



NexBlue Delta Max

One solution, ready for the future

- 1.4–22 kW charging capacity
- Compatible with grid types: TN / TT / IT
- Always connected via Ethernet / WiFi / 4G eSIM
- Full ISO 15118 / V2G / Plug & Charge readiness
- Local OCPP 1.6-J and 2.0.1 compatible
- Native APIs for seamless integrations

Easy to manage, simple to support

- Integrated with most common platforms and software
- Remote management via NexBlue Partner app and partner portal
- Rich data insights for seamless cloud-based monitoring
- Fast replacement via RFID-compatible backplate
- Real-time charging data on OLED display (Delta Max only)
- MID compliant for accurate, transparent and regulation-ready billing (Delta Max only)

Built to last, smart to use

- 5-year warranty
- 40+ smart sensors for protection and safety
- Dynamic local and cloud load balancing and phase balancing guarantee safe, efficient and equitable charging at any scale (requires NexBlue Zen)
- Smart multi-layer load management prevents overload in complex infrastructures (requires NexBlue Zen)

Fast to install, easy to scale

- Installation in approximately 4 minutes per charger
- Flexible configuration via NFC, RFID-compatible backplate, Bluetooth or online pre-configuration
- Smart backplate design enables rapid, cost-efficient installation and unlimited scalability
- NexSync automatically transfers updated settings to chargers installed later on site

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NexBlue Delta series specifications

General

Dimensions (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
Relative humidity	5% to 95%
Max. altitude in use	< 2,000 m
Packaging material	Cardboard
Warranty	5 years

Connectivity

WiFi	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 868 MHz
OCPP	Local OCPP 1.6-J & 2.0.1
ISO 15118	V2G / Plug & Charge ready
Other interfaces	RS-485, 1 or 3 CT clamps, external grid control (e.g. load shedding)

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
Insulation class	Class I
Overvoltage category	Category III
EMC level	Class B
Other protection	Overload, relay welding, temperature, over/under voltage, CP diode presence, humidity monitoring, ground fault

Charging

Charging capacity	1.4–22 kW
Charging connector	Type 2 (IEC 62196-2), electronic lock with permanent locking option
Rated current	6 A single-phase to 32 A three-phase
Maximum output current	32 A
Voltage	3 × 400 V AC / 230 V AC (±10%)
Installation grid	TN, IT or TT (automatic detection)
Grid frequency	50 Hz
Built-in energy meter	Delta: ±1% Delta Max: MID Class B ±1% (EN 50470-3: 2022)
Group load balancing	Unlimited

User interface

Enclosure	Plastic
LED indication	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	✓

Compliance

Complies with	2014/53/EU (RED) / 2014/35/EU (LVD) / 2014/30/EU (EMC) / 2011/65/EU (RoHS)
REACH	Regulation (EC) No 1907/2006
MID	Delta Max: EU Type Examination Certificate (Module B & Module D) Confirming Compliant with 2014/32/EU (MID)
Further info	https://nexblue.com/pages/document-and-manuals

Key differences

	Delta	Delta Max
Interface	LED status indicator	OLED screen
MID certified	✗	✓

NexBlue Ready

Pre-installed docking solution for NexBlue chargers



Prepare today, scale tomorrow

- Pre-mounted backplate with cover plate
- Future-proof: easily scalable with NexBlue chargers
- RFID chip stores configuration data on the backplate
- NexSync automatically transfers updated settings to chargers installed later on site

Affordable investment, long-term return

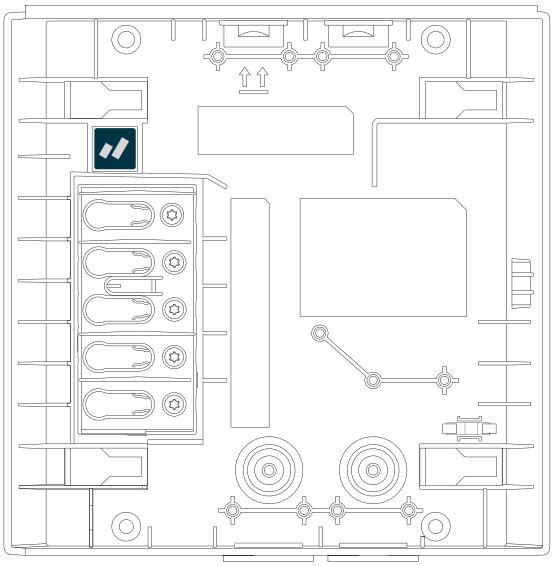
- Cost-effective preparation of charging infrastructure
- Single electrical installation, no return visit required*
- Prepare parking spaces now as a future revenue source
- Benefit from incentive schemes via pre-installed backplates

*Subject to local regulations



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NexBlue backplate



Cable entry: top / bottom / rear	✓
Spacious interior for extra cable routing	✓
Optimised thermal management	✓
Unified screw (T20)	✓
Top entry compatible with M25 cable glands	✓
Reinforced design to minimize bending	✓
Six individual cable entries	✓
Middle rear entry – pedestal friendly	✓
Horizontal cable guide into terminal block	✓
Flat terminal for tighter wiring connections	✓
Stronger seal plug prevents unintentional piercing	✓
Adjustable cable clamps for various wire sizes	✓
Backplate RFID stores configuration data	✓
Integrated spirit level	✓
IP22 certified	✓
IEC EN 60309-1 compliant	✓

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Load management for every situation

NexBlue's Nexus load management system operates locally and in the cloud, keeping charging sessions running even without a network connection. Choose the right hardware for the installation scenario.

Current Sensor





	NexBlue Zen 2	NexBlue Zen Pro
Ideal project type	Residential	Commercial
Pairs with	Edge series	Delta series
Multi-level load management	✗	✓

✓ **Both include** • Real-time energy measurement • Solar surplus charging • Dynamic load balancing

✗ **Both exclude** (choose by site requirements) • MCB • CT clamps • Rogowski coils

Smart Meter



NexBlue Zen Smart Meter

- Direct integration with smart meter, no additional hardware required for standard residential installations
- Real-time energy insight and dynamic load balancing
- Supports dynamic energy tariffs

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NexBlue Zen series specifications







Zen 2 & Zen Pro Current Sensor

General

Dimensions (mm): H: 85 x W: 35 x D: 68

Weight: 110 g

Over-voltage category: OVC II

Insulation class: II

Voltage measurement range: 85-264 V AC

Rated power: 3 W

Current measurement range: CT clamps ±0–300 A
Rogowski coil ±0–1500 A

Power supply: 85–264 V AC, 50Hz

Installation system: TN, IT or TT Single to three phase

Terminals: Grid terminal / Solar panel terminal / LAN / Antenna terminal / Power supply terminal / Multi-function terminal

Mounting: DIN rail

Warranty: 3 years

Connectivity

Wi-Fi: 2.4 GHz 802.11b/g/n

Bluetooth: BLE 4.2

Local radio frequency: Nexus™ RF 868 MHz

RS-485: TIA/EIA-485A

Ethernet: Dual RJ45 terminals, 10M/100M

Operating conditions

Operating temperature: -25°C to +55°C

Ingress protection: IP30

Relative humidity: 0 - 90%

Altitude: 0–2000 m

Indoor use: Yes

Regulations

Compliant with:

- Radio Equipment Directive 2014/53/EU
- Article 3.1.a: Health and Safety
- Article 3.1.b: EMC
- Article 3.2: Effective and efficient use of radio spectrum
- Article 3.3.d: Protection of the Network

Zen Smart Meter

General

Dimensions (mm): H: 60 x W: 60 x D: 26

Weight: 57 g

Color: Black

Rated power: 0.1-1.7 W

Power supply: 3.8-38 Vdc

Terminals: Smart meter terminal, Backup power supply terminal (USB Type-C), Antenna terminal, Ethernet terminal

Mounting: Magnetic backing

Warranty: 3 years

Smart meter compatibility: Supports all smart meters with P1/HAN port and Kamstrup OMNIPOWER® meters (no additional module required)

Connectivity

Wi-Fi: 2.4 GHz 802.11b/g/n

Bluetooth: BLE 4.2

Local radio frequency: Nexus™ RF 868 MHz

Operating conditions

Operating temperature: -25°C to +50°C

Ingress protection: IP30

Relative humidity: 0 - 90%

Altitude: 0-2000 m

Indoor use: Yes

Regulations

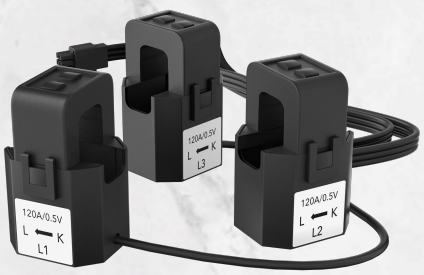
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- Radio Equipment Directive 2014/53/EU
- Article 3.1.a: Health and Safety
- Article 3.1.b: EMC
- Article 3.2: Effective and efficient use of radio spectrum
- Article 3.3.d: Protection of the Network

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Choosing the right sensor: CT clamps & Rogowski coils

The choice between a CT clamp and a Rogowski coil depends on the installation site conditions, not on which Zen model is installed. NexBlue Zen 2 and Zen Pro support the same CT clamp and Rogowski coil range. NexBlue Zen Smart Meter does not require a CT clamp or Rogowski coil, since it integrates directly with the smart meter.



CT clamp

- Measurement range: ±0–300 A
- Options: 80 A / 120 A / 300 A
- Diameter: 10 mm / 16 mm / 24 mm
- Suitable for standard single and multi-phase installations
- Sold separately, select the option to fit the site

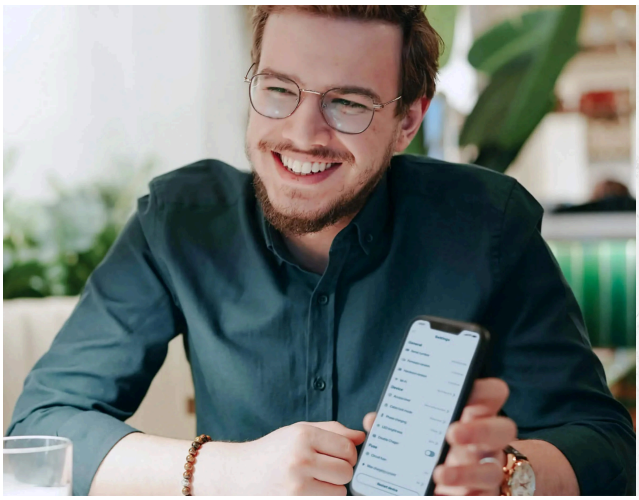


Rogowski coil

- Measurement range: ±0–1,500 A
- Options: 250 A / 300 A / 600 A / 1,500 A
- Flexible form factor for tight or irregular busbar layouts
- Suitable for higher-capacity commercial installations
- Sold separately, select the option to fit the site

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Software for every step, from installation to daily charging



Partner app

- Create new installation locations and manage existing ones
- Configure new chargers
- Run configuration tests
- Transfer locations to new owners
- Set user permissions according to owner preference



Partner portal

- Monitor and manage installation locations
- Real-time status monitoring and reconfiguration of installed chargers
- Visualise and export essential charging session data for customer service
- Prepare pre-configurations before installation
- View and export charging consumption per user, charger or RFID card
- Manage all installations centrally with multiple users

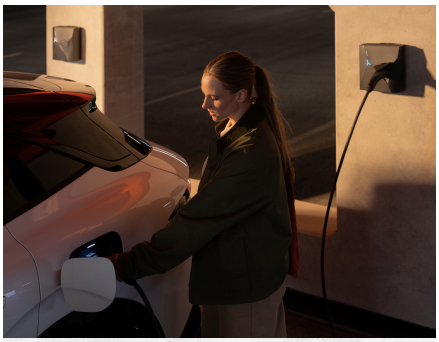


myNexBlue app

- Easily track and manage charging sessions
- Control charging locally via Bluetooth
- Schedule sessions for the most cost-effective and sustainable moment
- View and manage charging statistics and history
- Share charger access with family and friends
- Multiple start options: Plug & Play, RFID, mobile NFC and app
- Online diagnostics and OTA updates

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ISO 15118, V2X, AutoCharge and Plug & Charge



For drivers

With AutoCharge and Plug & Charge, drivers just plug in and charge. The car is recognised automatically, with no app or card needed. V2X turns their electric vehicle into an energy source for home and grid, reducing costs and increasing energy independence.



For energy companies and utilities

Flexible grid balancing and standardised billing open up new business models and make demand-side management scalable and predictable.



For fleet managers and businesses

AutoCharge recognises each vehicle as soon as it's plugged in, so every session is linked to the right car without cards or apps. It works with any OCPP backend that supports it. Combined with automated settlement and the ability to feed energy back to the grid, it simplifies operations and improves returns on charging infrastructure.

Standard	Implementation	Status
ISO 15118-3:2015	HomePlug Green PHY PLC, SLAC and D-Link control	**Ready**
ISO 15118-2:2014	AC charging; EIM and Plug & Charge (PnC)	**Available**
ISO 15118-20:2022	AC charging; AC BPT*; EIM and Plug & Charge (PnC)	**Validated**

*BPT: Bidirectional Power Transfer

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ISO 15118
Technical implementation

NexBlue implements ISO 15118 across all OSI layers for both ISO 15118-2 and ISO 15118-20.

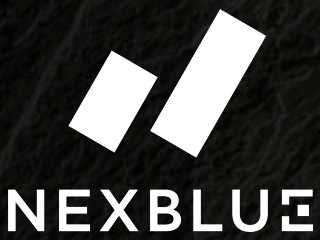
ISO 15118-2 & ISO 15118-20

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 1.2/TLS 1.3	✓
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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