

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	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
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	Ethernet, WiFi, LTE Cat1, BT, Nexus RF	Ethernet, WiFi, LTE Cat1, BT, Nexus RF	Ethernet, WiFi, LTE Cat1, BT, Nexus RF
Solar surplus charging	✓	✓	✓	✓
ISO 15118 / V2X ready	✓	✓	✓	✓

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NexBlue Edge series features

EV chargers for residential use



NexBlue Edge 2



NexBlue Edge Max

One solution, ready for the future

- 1.4–22 kW charging capacity
- Compatible with all 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

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 (requires 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
- Fast replacement via RFID-compatible backplate
- Smart backplate design enables rapid, cost-efficient installation and effortless scalability

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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
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
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	RCD-DD (6 mA DC) according IEC 62955 + 30 mA AC according IEC 60947-2, Annex M
IP class	IP54
IK class	IK10
Insulation class	Class I
Overvoltage category	Category III
EMC level	Class B
Additional protection	Overload, over/undervoltage, temperature, relay welding, CP diode detection, humidity measurement

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	✓

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	Edge 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

	Edge 2	Edge Max
Display	LED	OLED
MID certified	✕	✓ (EU type-examination certificate, modules B and D, MID directive 2014/32/EU)

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 all 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
Ethernet	RJ45, 10M / 100M
Bluetooth	BLE 4.2
Local radio frequency	Nexus™ RF
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	RCD-DD (6 mA DC) according IEC 62955 + 30 mA AC according IEC 60947-2, Annex M
IP class	IP54
IK class	IK10
Insulation class	Class I
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EMC level	Class B
Additional protection	Overload, over/undervoltage, temperature, relay welding, CP diode detection, humidity measurement

Charging

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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
Chargers per location	Max. 5	Unlimited
Display	LED	OLED
MID certified	✕	✓ (EU type-examination certificate, modules B and D, MID directive 2014/32/EU)

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

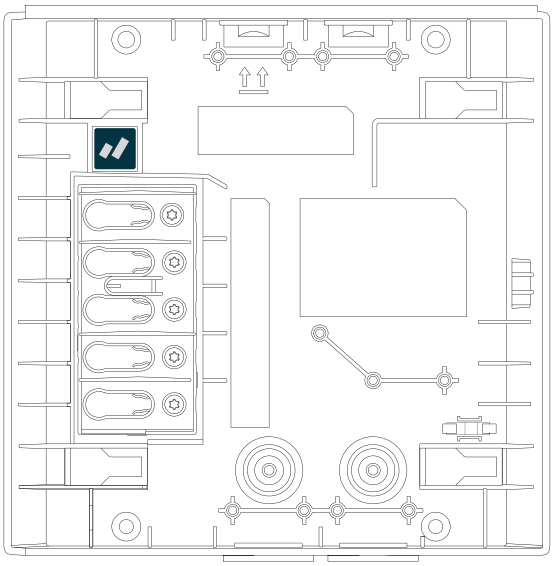
- Cost-effective preparation of charging infrastructure
- Single electrical installation — no return visit required*
- Prepare parking spaces now as a future revenue source
- Benefit from incentive schemes via pre-installed backplates

*Subject to local regulations



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NexBlue backplate



Cable entry: top / bottom / rear	✓
Spacious interior for extra cable routing	✓
Optimized 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.



CT clamps for flexible installations

NexBlue Zen Current Sensor

- Ideal for commercial locations and apartment buildings
- Real-time energy measurement and load management
- Supports multiple chargers and locations
- Suitable where direct Smart meter integration is not available

Smart meter integration

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
- Plug & Play connection to the smart meter

Future-proof energy integration

Solar surplus charging

- Charges using available solar surplus automatically, no manual adjustment needed
- Works with NexBlue Zen (Smart Meter or Current Sensor) for real-time solar monitoring
- Supports automatic single-phase and three-phase switching to make better use of available solar energy
- Compatible with EcoPilot for cost and sustainability optimisation

Wired CT

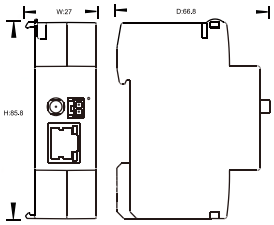
Direct connection, no extra hardware

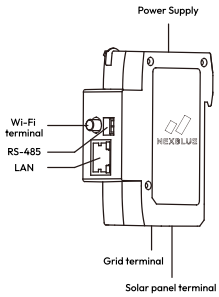
- Ideal for homes and small commercial sites
- Directly connects to compatible NexBlue chargers, no additional hardware required
- Can be extended with an extension cable for more flexible installation

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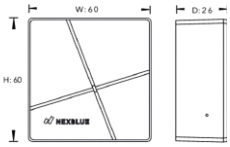
NexBlue Zen technical

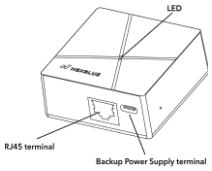












Zen Current Sensor

GENERAL

Dimension (mm): H:85.8 x W:27 x D:66.8

Weight: 95 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 (included): ± 0 – 120 A (MAX cross-section: 25 mm²) - Rogowski coil (optional): ±0 - 1500 A

Power supply: 85 - 264 V AC, 50Hz

Installation system: TT, IT or TN / single to three phase

Terminals: Grid terminal / Solar panel terminal / RS-485 / LAN / Wi-Fi terminal / Power supply terminal

Mounting: DIN rail

Warranty: 3 years

OPERATING CONDITIONS

Operating temperature: -25°C to +55°C

Ingress protection: IP30

Relative humidity: 0 - 90%

Altitude: 0-2000 m

Indoor use: Yes

CONNECTIVITY

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

Bluetooth: BLE 4.2

Nexus™ RF

RS-485: TIA/EIA-485A

Ethernet: ISO/IEEE 802.3u

REGULATIONS

Compliant with:

- Radio Equipment Directive 2014/53/EU
- Article 3.1.a: Health and Safety
- Article 3.1.b: EMC
- Article 3.2: Effectively uses and efficient use of radio spectrum

Zen Smart Meter

GENERAL

Dimension (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: RJ45 terminal, Backup Power Supply 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

Nexus™ RF

OPERATING CONDITIONS

Operating temperature: -25°C to +50°C

Ingress protection: IP30

Relative humidity: 0 - 90%

Altitude: 0-2000 m

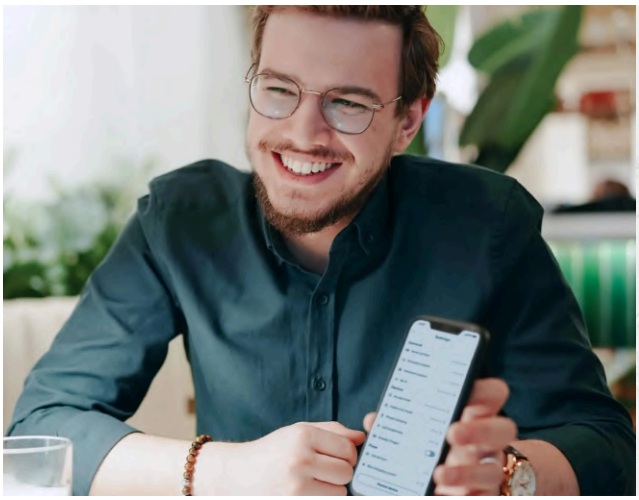
Indoor use: Yes

REGULATIONS

Compliant with:

- Article 3.1.a: Health and Safety
- Article 3.1.b: EMC
- Article 3.2: Effectively uses and efficient use of radio spectrum

Software designed for installers and users alike



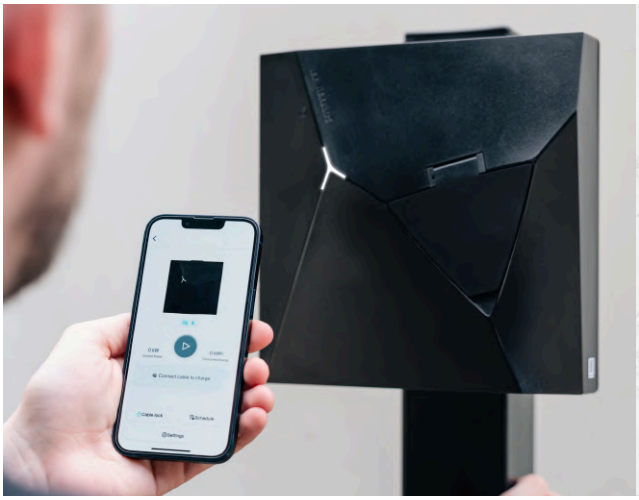
Partner app

- 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

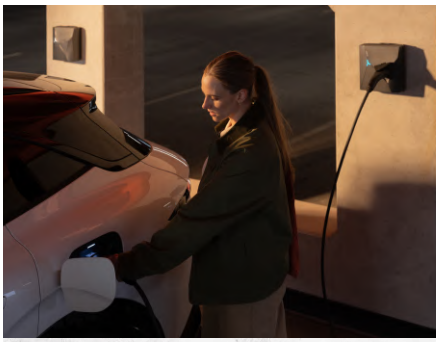


myNexBlue app

- 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, V2G and Plug & Charge



For drivers

With Plug & Charge, drivers benefit from secure, automatic authentication and payment. V2G 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

Automated settlement and the ability to monetise unused energy by feeding it back to the grid streamline operations and improve returns on charging infrastructure investment.

Standard	Implementation	Status
ISO 15118-3	Physical layer - hardware support	**Ready**
ISO 15118-2	AC charging, Plug & Charge (PnC)	**Available**
ISO 15118-20	AC charging, AC BPT* (V2G), 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.

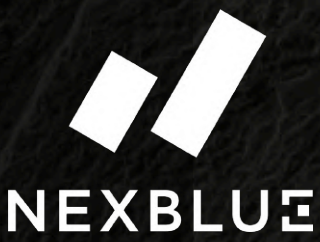
ISO 15118-2 & ISO 15118-20

Application Layer OSI layer 7	Application layer messages (V2G Message), SDP (SECC Discovery Protocol)	✓
Presentation Layer OSI layer 6	EXI (Efficient XML Interchange)	✓
Session Laye 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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