
NEXBLUE
Be current.
Always forward

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) per IEC 62955 + 30 mA AC per 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

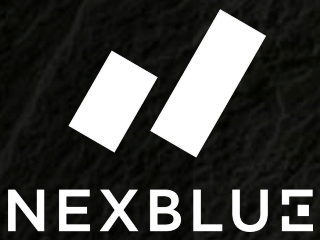
Enclosure	Plastic
LED indication	Red / Green / Blue / White / Orange
RFID reader	ISO/IEC 14443 Type A, MIFARE Classic
Start mode	myNexBlue App / RFID / NFC / Plug & Play / AutoCharge
NexBlue user portal	✓

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	4.5 kg	2.3 kg	4.5 kg
Display	LED	LED	OLED	OLED
MID certified	✗	✗	✓	✓



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