

 NEXBLUE
NEXBLUE Zen Current
Sensor



NEXBLUE Zen Current Sensor Instruction Manual

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NEXBLUE Zen Current Sensor



Product Information

Specifications

- **Product Name:** NexBlue Zen (Current Sensor)
- **Load Balancer for:** Non-smart Meter Scenarios
- **Key Features:**
 - Hassle-free smart charging
 - Optimizing energy use
 - Effortless installation
 - Compact and highly compatible
 - Measurement up to 1500A
- **Dimensions:** Not specified in the provided text
- **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:** EU Type Examination Certificate (Module B) confirming compliant with:
 - Radio Equipment Directive 2014/53/EU Article 3.1.a: Health and Safety
 - Article 3.1.b: EMC
 - Article 3.2: Effective use and efficient use of radio spectrum

Product Usage Instructions

1. Step 1: Installation

Follow the provided installation guide to set up the NexBlue Zen] Current Sensor in your desired location.

2. Step 2: Connectivity

Connect the sensor to your preferred network using one of the available connectivity options (Wi-Fi, Bluetooth,

RF RS-485, or Ethernet).

3. Step 3: Configuration

Configure the sensor settings as per your requirements for energy optimization and monitoring.

4. Step 4: Monitoring

Monitor the energy consumption and load balancing using the NexBlue Zen Current Sensor.

Frequently Asked Questions (FAQ)

Q: What is the maximum current measurement capacity of the NexBlue Zen Current Sensor?

A: The NexBlue Zen Current Sensor can measure up to 1500A of current.

NexBlue Zen Product Sheet (Current Sensor)

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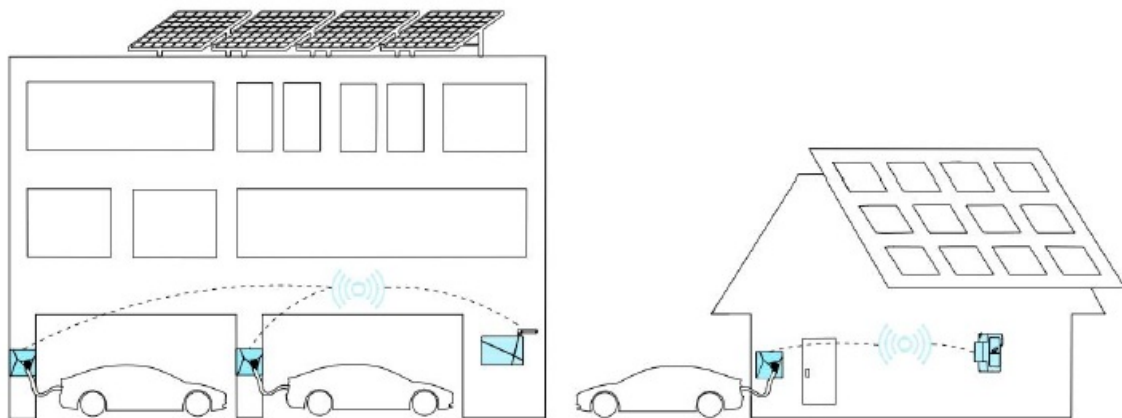
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NexBlue Zen (Current Sensor)

Load Balancer for Non-smart Meter Scenarios



Hassle-free smart charging

- Uninterrupted charging with DLB even without network
- High penetrability through walls with
- Nexus RF (Radio Frequency)
- Inter-circuit load balancing available through the Cloud in one Location
- Future-proof for communication with energy storage and PV panels



Effortless installation

- No disassembly required.
- No additional APP required.
- No external power adaptor required
- Wired MCB pre-integrated
- 2-minute installation with DIN rail design



Optimizing energy use

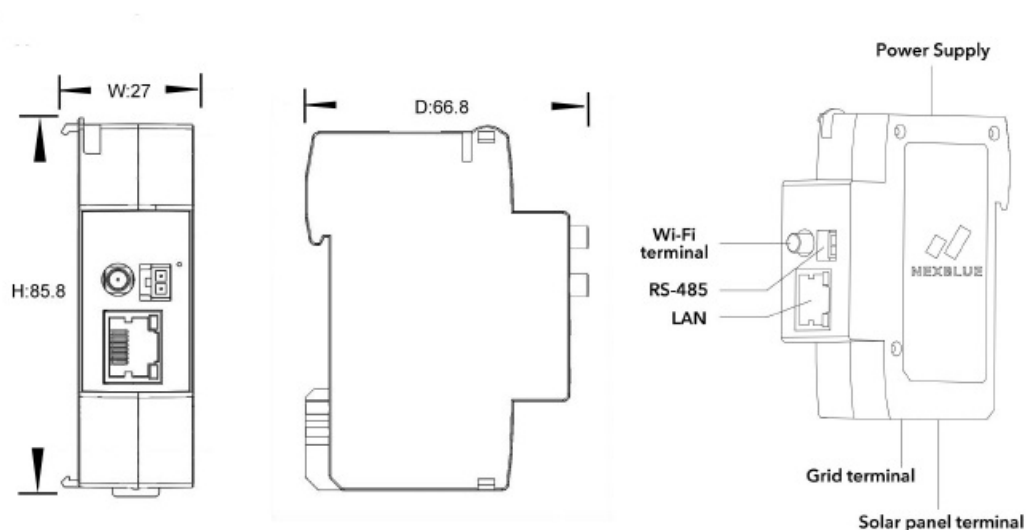
- Efficiently monitor and optimize energy use
- via WiFi or Ethernet
- Turn on Solar Surplus Mode to access free,
- Eco-friendly charging with solar panels
- Save cost by setting up household electricity consumption limits during peak hours
- Grasp real-time data from CT clamps, transmit to Cloud and chargers



Compact and highly compatible

- Nexus RF / Wi-Fi / Bluetooth / Ethernet
- Enhanced connectivity with external & extendable antenna
- Supporting installations without smart meters
- With optional Rogowski Coil, current measurement up to 1500A

Dimensions



Technical Information

General

- Model: CS3ANA
- Dimension (mm):
- H:85.8 xW: 27 xD: 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): $\pm 0 - 80$ A (MAX
- cross-section: 16 mm²)
- Rogowski coil (optional): $\pm 0 - 1500$ 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:

- EU Type Examination Certificate
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Documents / Resources

 The image shows a black, rectangular NexBlue Zen Current Sensor mounted on a wooden surface. The sensor has a small, circular window on its front face. The NexBlue logo is visible in the top left corner of the image, and the text 'NexBlue Zen (Current Sensor)' is visible in the bottom left corner.	<p>NEXBLUE Zen Current Sensor [pdf] Instruction Manual Zen Current Sensor, Current Sensor, Sensor</p>
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References

- [User Manual](#)

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