NEXBLUE Zen Current Sensor Instruction Manual

Contents

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, orEthernet).

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.

Frequ ently 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 ofcurrent.

NexBlue Zen Product Shee (Current Sensor)

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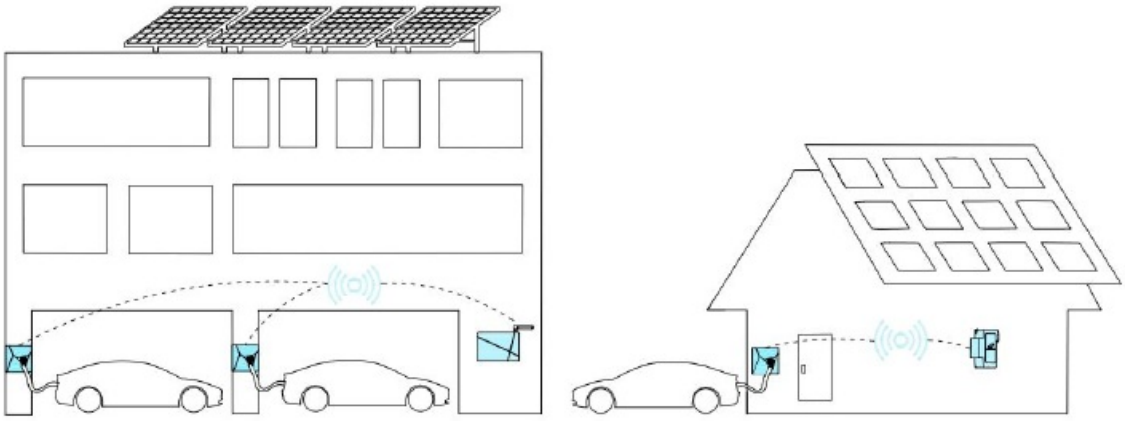
NexBlue Zen (Current Sensor)

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

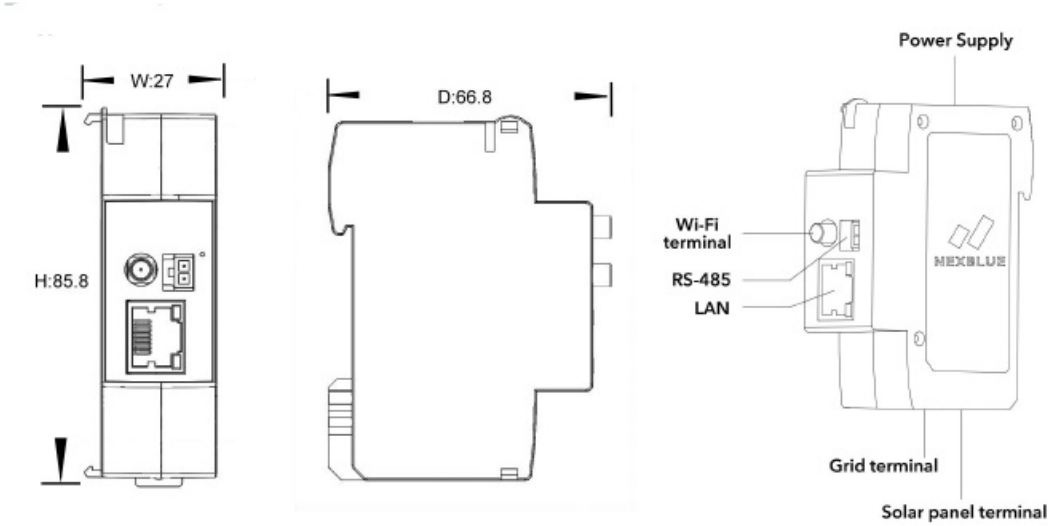
- Efficiently monitor and optimize energy use
- via WiFi or Ethernet

- 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): ± 0 – 80 A (MAX
- cross-section: 16 mm^2)
- 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:

- EU Type Examination Certificate
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Documents / Resources

	**NEXBLUE Zen Current Sensor** [pdf] Instruction Manual Zen Current Sensor, Current Sensor, Sensor

References

- **User Manual**