

NexBlue Zen (Current Sensor)

Product Sheet

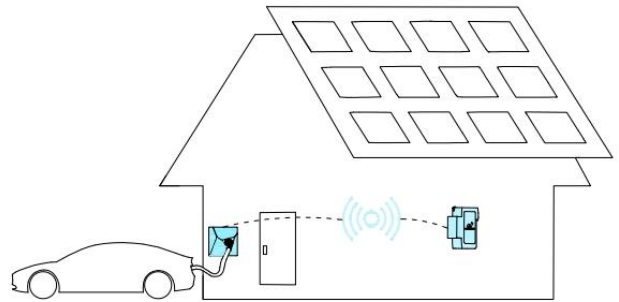
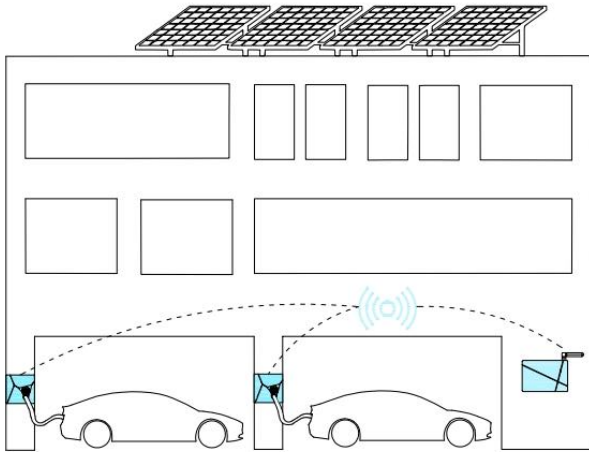
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NexBlue Zen (Current Sensor)

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



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



Effortless installation

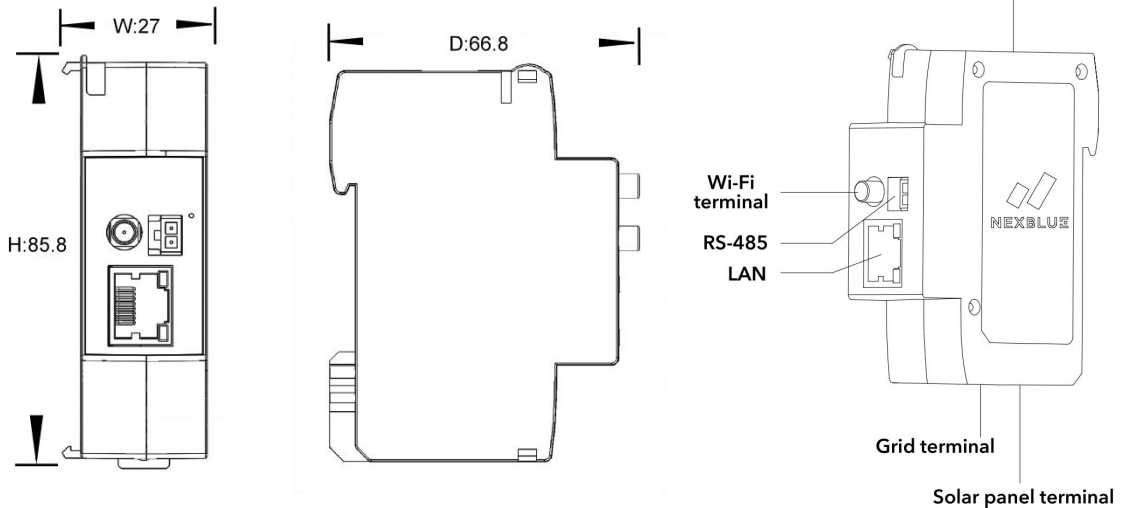
- ✓ No disassembly required.
- ✓ No additional APP required.
- ✓ No external power adaptor required
- ✓ Wired MCB pre-integrated
- ✓ 2-minute installation with DIN rail design



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 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): $\pm 0 - 80$ A (MAX cross-section: 16 mm^2)

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 $+55^{\circ}\text{C}$

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 (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: Effectively uses and efficient use of radio spectrum