Power a clean future.

Product Sheet
NexBlue Zen
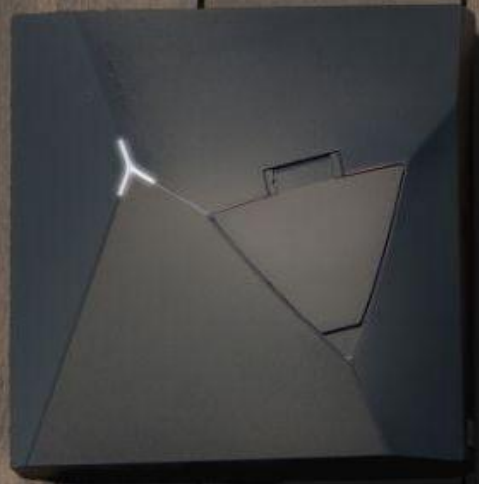## (Current Sensor)

Sweden Office:
+46 738981965
Sven Rinmans Gata 6
112 37 Stockholm, Sweden

UK Office:
+44 (0) 7834225339
71-75, Shelton Street, Covent Garden
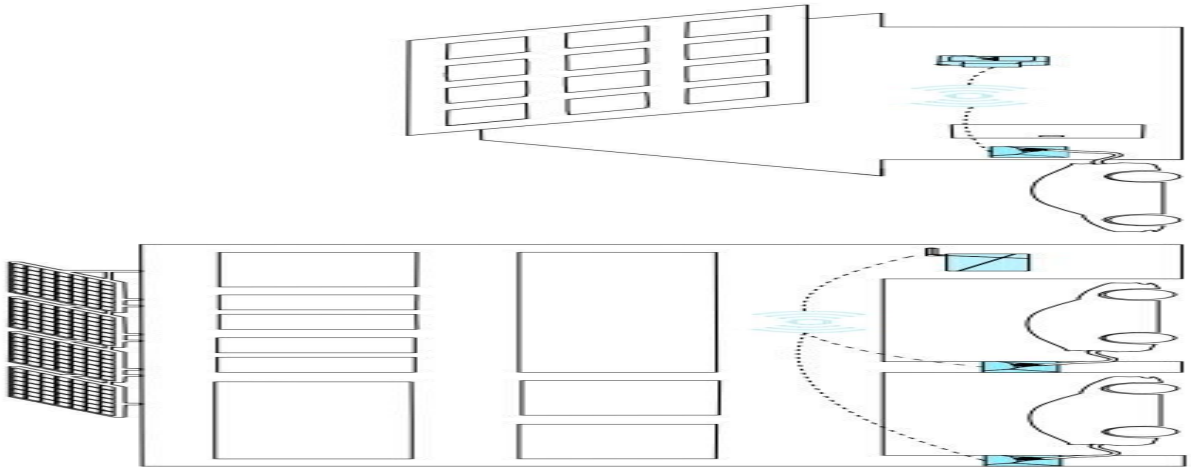London, WC2H 9JQ, UK

General Inquiry Email:
info@nexblue.com

NexBlue Zen (Current Sensor)
Load Balancer for All 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
✔ 2-minute installation with DIN rail design

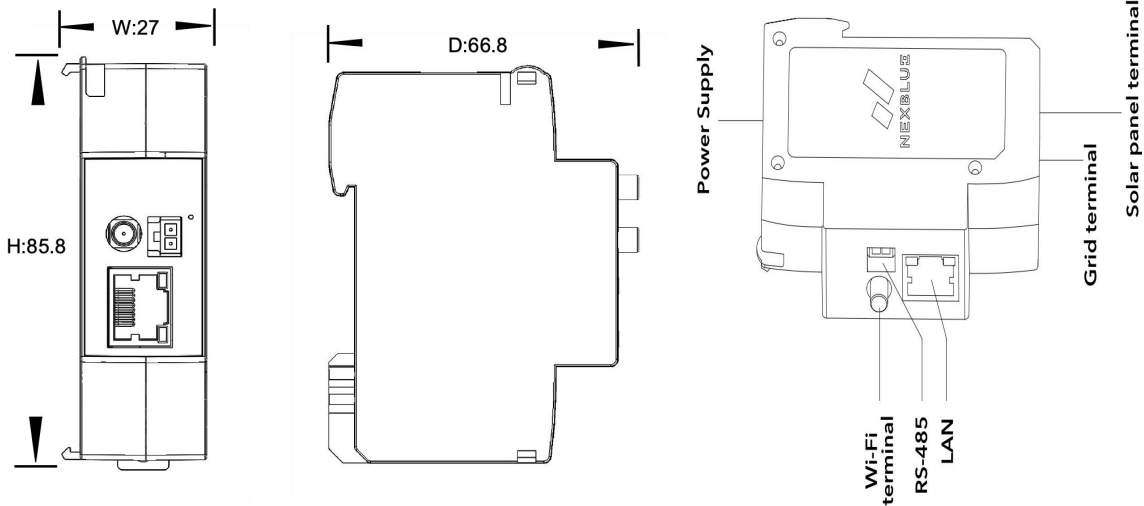### Compact and highly compatible

✔ Nexus RF / Wi-Fi / Bluetooth / Ethernet
✔ Enhanced connectivity with external & extendable antenna
✔ With optional Rogowski Coil, current measurement up to 1500A

* Under development

Dimensions

W:27
H:85.8
D:66.8

Power Supply
Solar panel terminal
Grid terminal
Wi-Fi terminal
RS-485
LAN

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