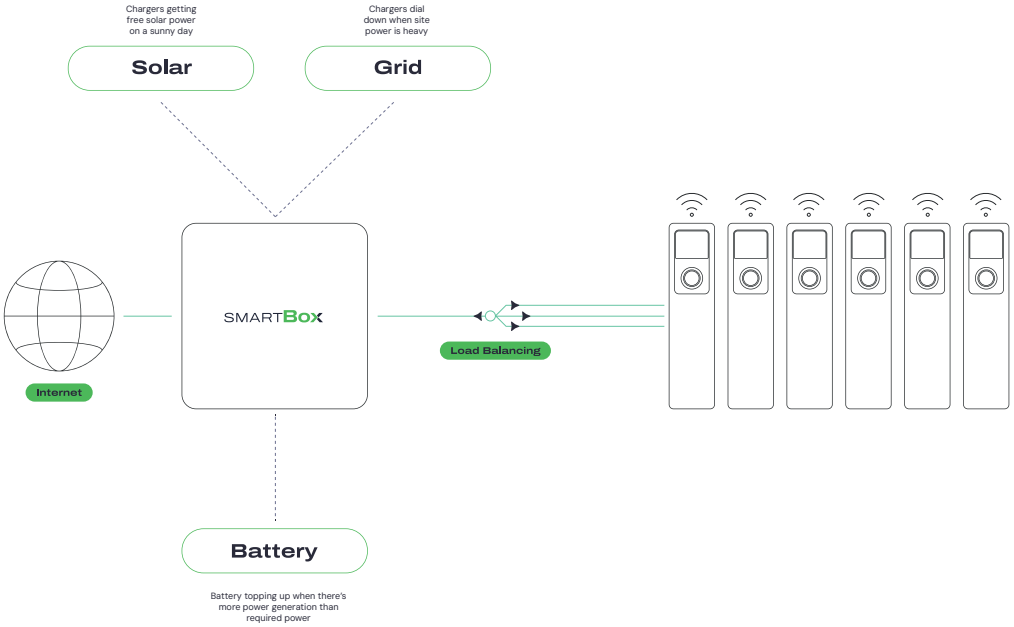


DATA SHEET

SmartBox

Measures site energy in real time using CT clamps, enabling intelligent load balancing while optimising grid and renewable energy usage and protecting site infrastructure.



SmartBox key features

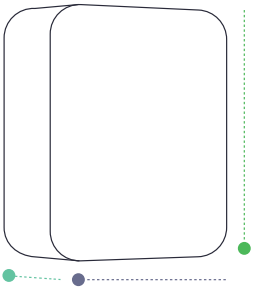
- Physical hardware add-on kit and the key component within the setup.
- Enables site energy monitoring via CT clamps and opens up advanced load management configuration across a network of chargers.
- Acts as the foundation that enables SmartMesh networking and SmartCloud connectivity.

SmartBox is traditionally used in larger commercial environments to manage and configure bigger site-wide charging deployments. However, it can also be used in domestic settings for energy monitoring and solar optimisation.

Product Overview

SmartBox

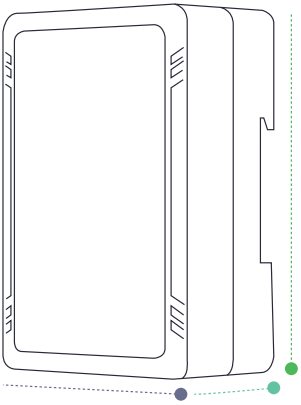
- Height: **100mm**
- Width: **100mm**
- Depth: **27mm**





SmartSensor

- Height: **90mm**
- Width: **65mm**
- Depth: **33mm**





Product name	Power supply	Dimensions HxWxD	Weight	Enclosure rating
SmartBox	12–24 VDC, 380 mA	100 x 100 x 27 mm	165 g	IP20
SmartSensor	100–277 V~0.1 A, 50/60 Hz	90 x 65 x 33 mm	120 g	IP20

Technical Data

	SmartBox
Power Supply	12–24 VDC, 380 mA
Dimensions (H x W x D)	100 x 100 x 27 mm (3.9" x 3.9" x 1")
Weight	165 g (0.36 lb.)
Operating Temperature	–30 to 50 °C (–22 to 122 °F)
Storage Temperature	–40 to 70 °C (–40 to 158 °F)
Enclosure Rating	IP20
Flammability Standard	UL94-V0
Operating Humidity	< 95%, non-condensing
Operating Altitude	≤ 2000 m (6561.68 feet)
Connectivity	Wi-Fi (Frequency: 2.4 GHz, transmit power: 17 dBm; frequency: 5 GHz, transmit power: 12 dBm) Wi-SUN (EU: 868 MHz; US: 915 MHz) Ethernet RS485 NFC Reader
Codes and Standards	FCC Part 15 Class B (US)
Software Update	OTA updates via web portal
Safety and Compliance	UL/CE/UKCA
Mounting	Wall mount (magnetic back)
Warranty	3 years

Technical Data

	SmartSensor
Power Supply	100–277 V~0.1 A, 50/60 Hz
Dimensions (H x W x D)	90 x 65 x 33 mm (3.5" x 2.6" x 1.3")
Weight	120 g (0.3 lb.)
Operating Temperature	–30 to 50 °C (–22 to 122 °F)
Storage Temperature	–40 to 70 °C (–40 to 158 °F)
Enclosure Rating	IP20
Flammability Standard	UL94-V0
Operating Humidity	< 95%, non-condensing
Operating Altitude	≤ 2000 m (6561.68 feet)
Overvoltage Category	III
Connectivity	Wi-SUN (EU: 868 MHz; US: 915 MHz) RS485 P1 Smart Meter Communication
Codes and Standards	FCC Part 15 Class B (US)
Safety and Compliance	UL/CE/UKCA
Accuracy	1.00%
Mounting	DIN 43880
Warranty	3 years
Number of Supported CT Clamps	Max. 6
Current Measurement Range	0–5000 A
Voltage Measurement	Yes
Pollution Level	II
Measurement Category	CAT III

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