

EVBox Smart Charging














Makes the most efficient use of the available power capacity by safely balancing the energy usage between your electric car charging station and other appliances on-site.

Enables your EV charging to become more self-sufficient and eco-friendly by integrating with your solar installation.*

Gives you full control over your energy usage by providing real-time data on your EV charging and solar production.*

*Available with EVBox Smart Charging+

-  Dynamic load balancing
-  Integrated with solar
-  Peak shaving
-  Universally compatible
-  Easy installation
-  Easy to upgrade
-  CE- and UL-certified
-  Award-winning design
-  Control with mobile app
-  Remote software updates
-  Always online



EVBox Smart Charging kit

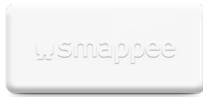


1-phase and 3-phase versions available

EVBox Smart Charging safely balances the energy usage between your electric car charging station and other appliances on-site. This ensures your electric car charges in the most efficient way based on the available power capacity, saving you from the costs of any grid upgrades.



Wi-Fi Connect



CT Hub



Power Box



Current transformers

+ Other tools to get you started.

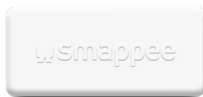
EVBox Smart Charging+ kit

1-phase and 3-phase versions available

EVBox Smart Charging+ connects your electric car charging station with your solar installation and gives you full control over your energy usage. This enables your charging station to make efficient and cost-effective use of the available (self-generated) power.



Genius



CT Hub



Power Box



Current transformers

+ Other tools to get you started.



EVBox Smart Charging



Wi-Fi Connect

Gateway Module

Dimensions	55 mm x 55 mm x 26.6 mm (2.17 x 2.17 x 1.05 inches)
Weight	45 g (1.59 oz)
Operating temperature	-10°C to 60°C (14°F to 140°F)
Humidity	max. 95% non-condensing
Operating altitude	< 2,000 m (6,562 ft)
Standards	IEC-61326-1, FCC 47 part 15, IEC-60950-1
Enclosure ratings	IP X0
Overvoltage conditions	Overvoltage category II
Intended environment conditions	Pollution degree 2
Connectivity	Wi-Fi 2.4 GHz
Included accessories	Wall mounting plate, Bus cable 150 cm (59 inches)

EVBox Smart Charging+

Genius

Gateway Module

Dimensions	108 × 69 × 25 mm (4.25 × 2.72 × 0.98 inches)
Weight	119 g (4.20 oz)
Operating temperature	-10°C to 60°C (14°F to 140°F)
Humidity	max. 95% non-condensing
Operating altitude	< 2,000 m (6,562 ft)
Standards	IEC-61326-1, FCC 47 part 15, IEC-60950-1
Enclosure ratings	IP X0
Overvoltage conditions	Overvoltage category II
Intended environment conditions	Pollution degree 2
Connectivity	Ethernet 100BASE-T, Wi-Fi 2.4 GHz, RF433MHz/915 MHz, Bus B
Included accessories	Wall mounting plate, Bus cable 150 cm (59 inches)

EVBox Smart Charging & EVBox Smart Charging+ CT Hub



Connectivity	Bus A, 4 inputs for split core CTs (50 A, 100 A, 200 A)
Dimensions	70 × 31 × 23 mm (2.75 × 1.22 × 0.90 inches)
Weight	29 g (1.02 oz)
Operating temperature	-10°C to 70°C (14°F to 158°F)
Relative humidity	max. 95% non-condensing
Operating altitude	< 2,000 m (6,562 ft)
Standards	IEC-61326-1, FCC 47 part, IEC61010-1:2010
Enclosure ratings	IP X0, IK 06
Overvoltage conditions	overvoltage category II
Intended environment conditions	Pollution degree 2
Included accessories	Bus cable 40 cm (15.75 inches)

EVBox Smart Charging & EVBox Smart Charging+ Split Core CTs

The necessary quantity and type of split core current transformers are automatically included based on the kit purchased.

Type	50 A	50 A
Cable length	150 cm / 59.06 inches	30 cm / 11.81 inches
Article number	AC-CT-50A	AC-CT-S-50A
L × W × H (mm)	25.5 × 10.5 × 26	25.5 × 10.5 × 26
L × W × H (inches)	1 × 0.41 × 1.02	1 × 0.41 × 1.02
Max. wire diameter	10 mm / 0.39 inches	10 mm / 0.39 inches

EVBox Smart Charging & EVBox Smart Charging+ Solid Core 3-Phase CT

Input current	3 × 50 A
Dimensions	59 × 35 × 23 mm (2.32 × 1.38 × 0.91 inches)
Weight	45 g (1.59 oz)
Operating temperature	-10°C to 70°C (14°F to 158°F)
Relative humidity	max. 95% non-condensing
Standards	IEC-61326-1, FCC 47 part 15
Connectivity	Bus A
Included accessories	Bus cable 40 cm (15.75 inches)



EVBox Smart Charging & EVBox Smart Charging+ Power Box



Electrical properties

Power supply input	90–264 V AC
Power consumption	8 W max
Frequency	50/60 Hz
Voltage measurement inputs	L1, L2, L3, N
Topology and maximum nominal ranges	Single phase: 240 Vrms Split phase: 120/240 Vrms Three phase 3 wires: 240 Vrms Three phase 4 wires: 240/415 Vrms
Overvoltage conditions	Overvoltage category II
Connectivity	Bus A and B

Safety and certification

Operating temperature	-10°C to 50°C (14°F to 122°F)
Relative humidity	max. 95% non-condensing
Operating altitude	< 2,000 m (6,562 ft)
Standards	IEC-61326-1, FCC 47 part 15, IEC61010-1:2010/COR1:2011
Enclosure ratings	IP X0, IK 06
Intended environment conditions	Pollution degree 2

Physical properties

Dimensions	55 × 55 × 26.6 mm (2.17 × 2.17 × 1.05 inches)
Weight	44 g (1.55 oz)
Included accessories	DIN mounting plate, power cable 90 cm open-ended (35.43 inches), bus termination plug

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