

# Ensto One WM-Bus

## Charger for electric vehicles with WM-Bus communication

Ensto One WM-Bus is a charger for electric vehicles in apartment buildings and workplaces that communicates via wireless M-Bus. It is a combined solution from Ensto and Elvaco, consisting on an Ensto One charger, an Elvaco CMeX20W and an ABB B21 single phase electricity meter.

Ensto One WM-Bus is equipped with a mechanical lock, DC monitoring, RFID, Type 2 socket and a charging power of 3.7 kW (1x16A). The charger is easily configured with the Ensto Charger Control app and can be connected via LAN to the Ensto EV Manager cloud service for user management, user-specific consumption reporting and load balancing.



### Technical specification

#### Ensto One

##### Mechanics

Dimensions (w x h x d)	209 x 513 x 134
Weight	5,4 kg
Montering	Wall mounted
Casing material	Plastic
Protection class	IP54
Impact strength	IK10

##### Electrical characteristics

Nominal current	1x16A
Rated voltage	≤ 230 V
Current	AC, 50 Hz

#### CMeX20w

##### Mechanics

Dimensions (w x h x d)	35 x 95 x 65 mm
Weight	100 g
Antenna	Built-in, optionally external via SMA-f

##### M-Bus

Interfaces	IR, M-Bus slave
M-Bus standard	EN13757-4. Communication by T1.
Frequency	868,95 MHz
Addressing modes	Electricity meter's secondary address
M-Bus information	All fields in the first telegram of the electricity meter
Transmit power	25 mW
Transmitinterval	16 s
Encryption	Unencrypted (default) or encrypted