

electrify **Smart Box**

The eLMS sensor
for dynamic load management
von hesotec.

The electrify Smart Box not only protects your power connection from overload, but also distributes the available energy dynamically and intelligently. dynamically and intelligently. In conjunction with our cloud-based electrify charging management system (eLMS) you have the option of setting up individual controls entirely according to your needs and requirements.



Advantages at a glance

Easy assembly

The Smart Box is mounted on a top-hat rail in the sub-distribution, connected to the network via LAN and the foldable measuring current transformers are clamped around the desired lines.

Easy integration

Im eLMS wird die Smart Box registriert, in einer Ladegruppe zusammen mit mindestens einem Ladepunkt als steuerndes Element zusammengeführt und online konfiguriert.

Dynamic charge management

Once set up via the eLMS, a dynamic charging management system that is independent of the internet is available in the local network.

Dynamic load measurement

With dynamic load measurement, the current power consumption of the house is recorded and subtracted from the maximum available power of the electricity connection.

PV- Excess charge

Increases the own power consumption of a PV system for charging an e-vehicle.

External consumer

If an external load is switched on, the power available for charging is dynamically adjusted or a charging process is paused.

electrify **Smart Box** at a glance



Smart Box 3 phase 100A cloud based

Item No. 00010196 EAN: 4260676731844

Current range 0-100 A; 1-3 phase
(contactless with current transformer)

Clamp diameter 12 mm

Connection cable length 1000 mm



Smart Box 3 phase 400A cloud based

Item No. 00010247 EAN: 4260676732964

Current range 0-400 A; 1-3 phase
(contactless with current transformer)

Clamp diameter 35 mm

Connection cable length 1000 mm

Technical data

Supply	230 V AC, Integrated power supply from the voltage measurement path
Consumption	approx. 3,7 W
Precision	2% (when using the current transformers included in the scope of delivery)
Measured variables	Current, voltage, current direction, active/reactive/apparent power, fault currents, Load on the neutral conductor, phase shift, frequency
Ambient temperature	-0..+50°C, 5..90 % rH non-condensing
Pollution level	2
Protection class	IP20
Interface	LAN
Output interpreter	eLMS
Housing (w/h/d)	107 x 90 x 48 mm
Division units	6DU

Application example

