Data Sheet

HYDRA®
ELECTRIC VEHICLE CHARGERS

HYDRA COMMERCIAL DLB

Easy to Install - Real-Time Data - Advanced Power Management

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Hydra Commerical DLB

The Hydra Commerical DLB is an advanced solution for dynamic power management.

This DLB offers a real-time data about the power consumed by the property. In the Nexus Cloud app, all data is displayed for you to easily monitor and optimise the power usage of the property.

The Hydra Commerical DLB is designed to work in all properties and with all types of electricity meters. The device is connected directly to the phases of the electrical system.

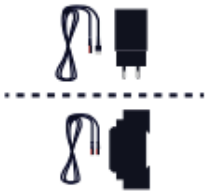
Part Number:	H-DLB-K-SP H-DLB-K-TP
Network:	WiFi 2.4 GHz, supports b/g/n
Current Range:	0-5 kA
IP Class:	IP 20

Dimensions:	11.1cm x 5.9cm x 2.7cm
Weight:	79g
Power Supply:	USB / DIN / P1 / RJ12
Temperature Range:	-40 °C ~ +85 °C

Whats in the box?

1x Hydra DLB

3x Current Sensors



1x USB or DIN Adapter

1x Integration License

1x Quick Start Guide

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Current Sensors

Ø 16 mm sensor
Low Current 0-900 A

Ø 36 mm sensor
Low Current 0-900 A

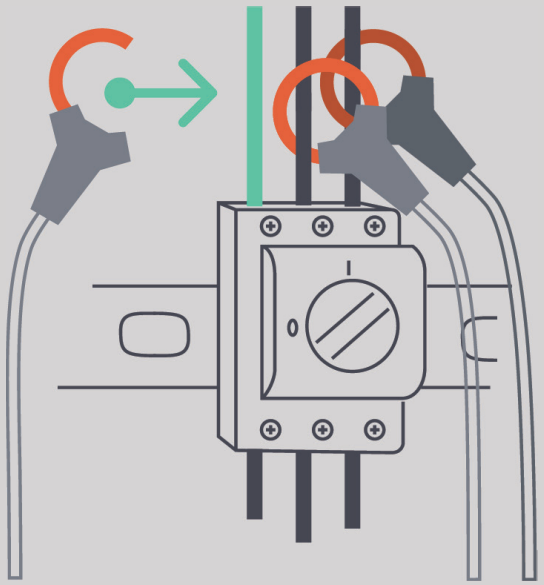
Ø 100 mm sensor
Low Current 0-900 A

Ø 36 mm sensor
High Current 0-2.5 kA

Ø 100 mm sensor
High Current 0-2.5 kA

Easy to Install

1. Hydra current sensors are attached round the phase conductors. You will not need to loosen the phase conductors.
2. The Hydra DLB is powered via a USB cable and the included power adapter for connection in a 230V socket or using a 5V module for mounting with a DIN connector.
3. The device is configured using Hydra Nexus to connect to an existing WiFi network at the property.
4. The Hydra DLB communicates over the internet with the Hydra Nexus and needs constant access to a WiFi network.



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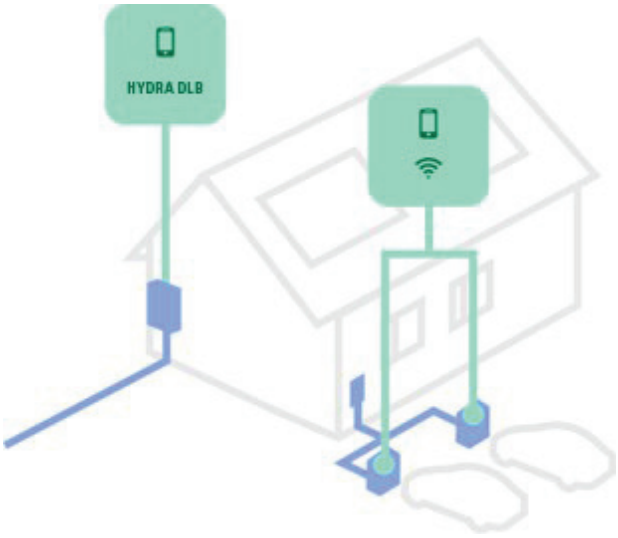
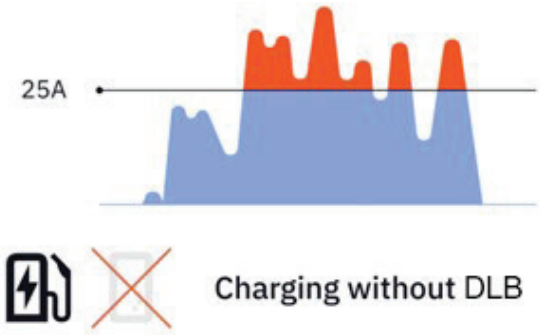


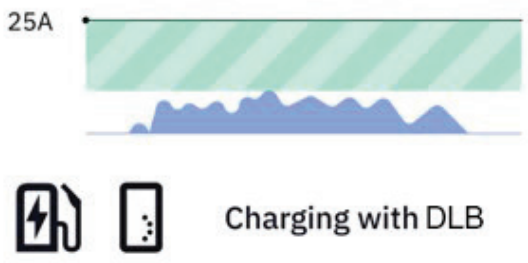
Dynamic Load Balancing

Hydra offers an advanced solution for power management of your property.

The Hydra DLB will monitor your property's total power output in real-time. Power levels and energy values are reported separately for each phase, making it possible to control power consumption based on the load of respective phase.

For your EV charger, this means the DLB will report available power output to your charger, thus balancing the power curve for the property. By balancing the power curve you therefore increase the chance of not triggering the main fuse, as well as avoiding high costs for electricity. Over time, this can save you money.





Total power output Main fuse triggered Available power output