

*For all types of
lead/acid
batteries, wet or dry*

Waterproof

Space-saving

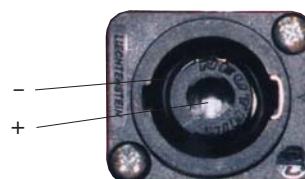
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- IP-65 classified
- Protection from wrong polarity
- Simple connection
- Simple installation

Contact gear:

Case



Chassis socket



DC/DC Booster

DDB-HF 24/15

Common area of use

The Booster charges a truck on the lorry while the lorry is moving.

Description of functions

Booster 24/15 is designed for all types of chargeable lead/acid, wet or dry, batteries. The booster is being fed from the starting battery and increases the charging voltage to charge a consumption battery (truck battery). The charging starts when the feeding voltage level reaches over 25.5 V and is indicated by a yellow LED on the front. The charging breaks if the feeding voltage falls below 25.0 V, not to discharge the starting battery.

Weekly charging

N.B. The Booster is a complement and does not replace a battery charger. The consumption battery/truck battery has to be completely charged at least once a week to obtain a long lifetime.

Technical data:

(Can be changed without previous information)

Ingoing voltage: 0–29 V DC

Outgoing voltage: Max. 28.4 V

Outgoing current: See charging characteristics

Dimensions: 200 x 100 x 45 mm

Weight: 1.2 kg

Recommended battery capacity: 50–120 Ah

Efficiency: Greater than 85%.

Fuses: 1 "lorry fuse" 20 A

Current consumption from the starting battery

when idling: 100 mA at 26 V (Booster on)

1 mA at 24 V (Booster off)

Current consumption from the consumption

battery when idling: 3 mA 24 V

Charging: When the ingoing voltage reaches 25.5 V, the Booster starts charging the consumption battery. Yellow LED is lit during charging. The charging is shut down if the voltage falls below 25.0 V

Enclosure class: IP 65

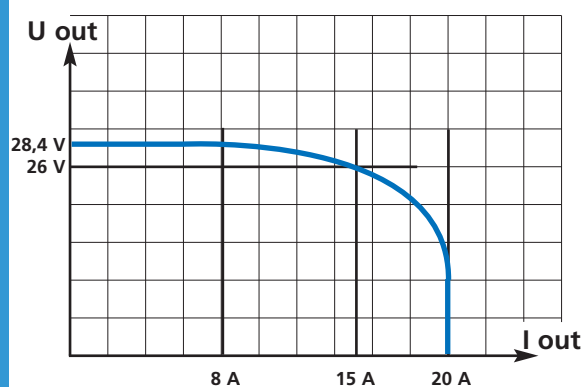
Admitted surrounding temperature: –30° C to +40° C

The Booster 24/15 meets the standard e5.

N.B.

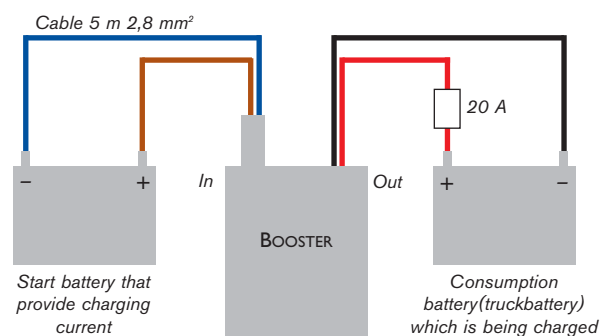
The battery generates explosive gases during charging - avoid naked flame or sparks in the battery connections.

Booster 24/15 charging characteristics

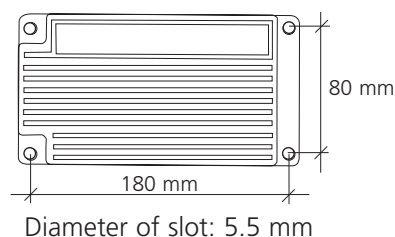


Installation instructions:

The booster is installed with four screws in the truck and is connected in accordance with the figure below. The starting battery is connected to the booster via a 20 A fuse with included cable and case¹⁾. The consumption battery is connected with red cable to + and black cable to –.



Mounting instruction:



Trouble shooting:

- Check that input and output are correctly connected.
- The booster requires an ingoing voltage of >25.5 V to operate.
- Check fuses to and from the Booster. N.B. Yellow LED is lit even when outgoing fuse is incorrect.
- If the Booster still does not work, contact your retailer.

¹⁾ See picture overleaf.

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