

## Product information sheet

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## DC-DC charging converter SP21030E10 24-12/30

With the SP21030E10 DC-DC charging converter, you can charge 12 V batteries from 24 V vehicle electrical systems as well as operate 12 V consumers in 24 V vehicles.

- // Under and over voltage protection
- // Reverse voltage protection
- // Voltage transient protection
- // Over load and short circuit protection
- // Thermal overload shutdown

The DC-DC charging converter SP21030E10 24-12/30 halves the input voltage (input voltage range 15.8 V ... 32.9 V) and thus enables the operation of 12 V consumers and the charging of 12 V batteries on 24 V vehicle electrical systems. The output current is 30 A to max. 34 A. The charging converter also has protection against short circuits, overtemperature, overload, undervoltage/overvoltage and reverse polarity.

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## Technical Information

|                               |                   |
|-------------------------------|-------------------|
| <b>Bias current</b>           | < 15 mA           |
| <b>Housing</b>                | Aluminium         |
| <b>Input voltage range</b>    | 12.6 V ... 33 V   |
| <b>Operating temperature</b>  | -40 °C ... +85 °C |
| <b>Output current</b>         | 30 A (max. 34 A)  |
| <b>Output voltage (DC)</b>    | V (in) / 2        |
| <b>Dimensions (L x W x H)</b> | 196 x 144 x 62 mm |
| <b>Weight</b>                 | 1.67 kg           |

\*In the chosen option