

## Product information sheet

Product number: 0402021102

Date: 28.04.2026

Page: 1/2



## DC-DC charging converter SP21100E01

Compact, waterproof and very robust DC-DC charging converter with switched-mode technology. With the SP21100E01-10 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.

- // Extra robust housing
- // Protection against short circuit
- // Protection class of IP67

The DC-DC charging converter divides the 24 V input voltage (input voltage range 15.8 V ... 32.9 V) by 2 and thus provides half the input voltage as the output voltage. The output current is 100 A to max. 114 A. The DC-DC charging converter SP21100E01-10 is characterised by its high protection class of IP67 and a particularly robust design. The charging converter also has protection against short circuits, overtemperature, overload, undervoltage/overvoltage and reverse polarity.

## Product information sheet

Product number: 0402021102

Date: 28.04.2026

Page: 2/2



## Technical Information

|                               |                    |
|-------------------------------|--------------------|
| <b>Bias current</b>           | max. 60 mA         |
| <b>Housing</b>                | Aluminium          |
| <b>Input voltage range</b>    | 15.8 ... 32.9 V    |
| <b>Operating temperature</b>  | -40 °C ... +85 °C  |
| <b>Output current</b>         | 100 A (max. 114 A) |
| <b>Output voltage (DC)</b>    | V (in) / 2         |
| <b>Dimensions (L x W x H)</b> | 303 x 215 x 80 mm  |
| <b>Weight</b>                 | 4.2 kg             |

\*In the chosen option