


# DC-DC converter PP 48-12/29

**The PP converters of the IP67 series are completely encapsulated. Thus, the devices are waterproof and protected against shocks and vibrations. This makes them particularly robust and excellently suited for use under difficult operating conditions.**

// High efficiency
// Reverse polarity protection
// Short-circuit proof

With our DC-DC converters of the PP series, your 12 V on-board voltage can easily be converted to a 24 V on-board voltage and vice versa. The devices of the PP series are characterised by compact dimensions and low weight with a high IP protection class. This makes them a reliable solution, especially under difficult operating conditions.

# Technical Information

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|---|---|
| **External Switch** | Yes* |
| **Galvanically isolated** | Yes* |
| **Nominal voltage** | 48 V* |
| **Output voltage** | 13,5 V* |
| **Power** | 400 W* |
| **Bias current** | < 5 mA |
| **Connection AC input** | Open Cable End (2 x 2.5 mm²; 0.5 m) |
| **Connection DC output** | Open cable end (2 x 6 mm², 0.5 m) |
| **Input current, max.** | 12 A |
| **Input voltage range** | 36 … 65 V |
| **International Protection (IP class)** | IP67 |
| **Level of efficiency** | ? 96 % |
| **MIL** | Nein |
| **Operating temperature** | -40 °C ... +70 °C |
| **Output current** | 29 A |
| **Dimensions (L x W x H)** | 150 x 93 x 31 mm |
| **Weight** | 0.82 kg |

*In the chosen option