
TECHNICAL SPECIFICATION

DC-DC CONVERTER ISOLATED WIDE INPUT VOLTAGE RANGE



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CRITICAL INFORMATION

The technical data, information and illustrations have been carefully compiled and corresponds to the product status at the time of printing this manual. The manufacturer reserves the right to improve or modify the product, specifications and documentation at any time without prior notice, provided that it is not considered necessary for technical reasons.

Descriptions have been prepared very carefully and in detail, yet it is never possible to completely rule out wrong. Under no circumstances will the manufacturer be held responsible for errors or damages resulting from wrong use or from misinterpretation.

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Warning!

Failure to follow these safety instructions could result in personal injury, property damage or impair the function of the product.



Important Information!

To avoid operator error, read this manual carefully before installing and using the product and follow the appropriate instructions. Keep this manual near the product so that it can be referred to later.



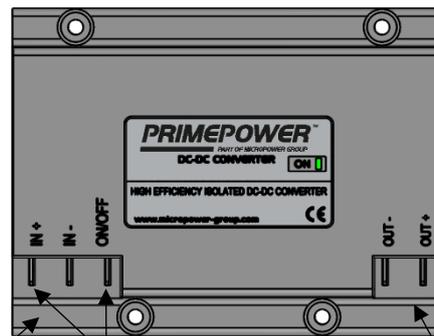
This product is not intended for use by persons (including children) with reduced physical sensory or mental capabilities, or lack of knowledge or experience, unless they have received instructions or information on how to use the product by a person responsible for their safety. Children should be supervised to ensure that they do not play with the product.

General

DC-DC converter is designed to convert a DC voltage to another. The input voltage and the output voltage are isolated. If common ground is needed, connect minus input and output to the same point. The DC-DC is working with advanced switching technology with an efficiency of >94 %. Operation is indicated by green LED. The electronics in the DC-DC monitors the internal temperature, protected against short circuits and reverse polarity, this prevents damage to the device when the DC-DC is misused.

Installation

Check that the correct input voltage range and output voltage range matches the installation and the parameters mentioned on the DC-DC. The DC-DC enclosure is IP21, the internal electronics has a protective layer of lacquer. This brings the DC-DC suitable for indoor mounting, in vehicles or built into the current machine. A DC-DC converter with enhanced environmental protection with higher IP is available on request.



Connecting the input voltage + / -, verify that the correct input voltage.

ON/OFF must be connected to supplying voltage plus, if not connected the unit will not start.

Connect to load.

APPROVMENTS

EMC Directive, 2014/35/EC, including Amendments by the CE marking Directive, 93/68/EEC.

CE.

PART NUMBER

- 0060316
- 0060317



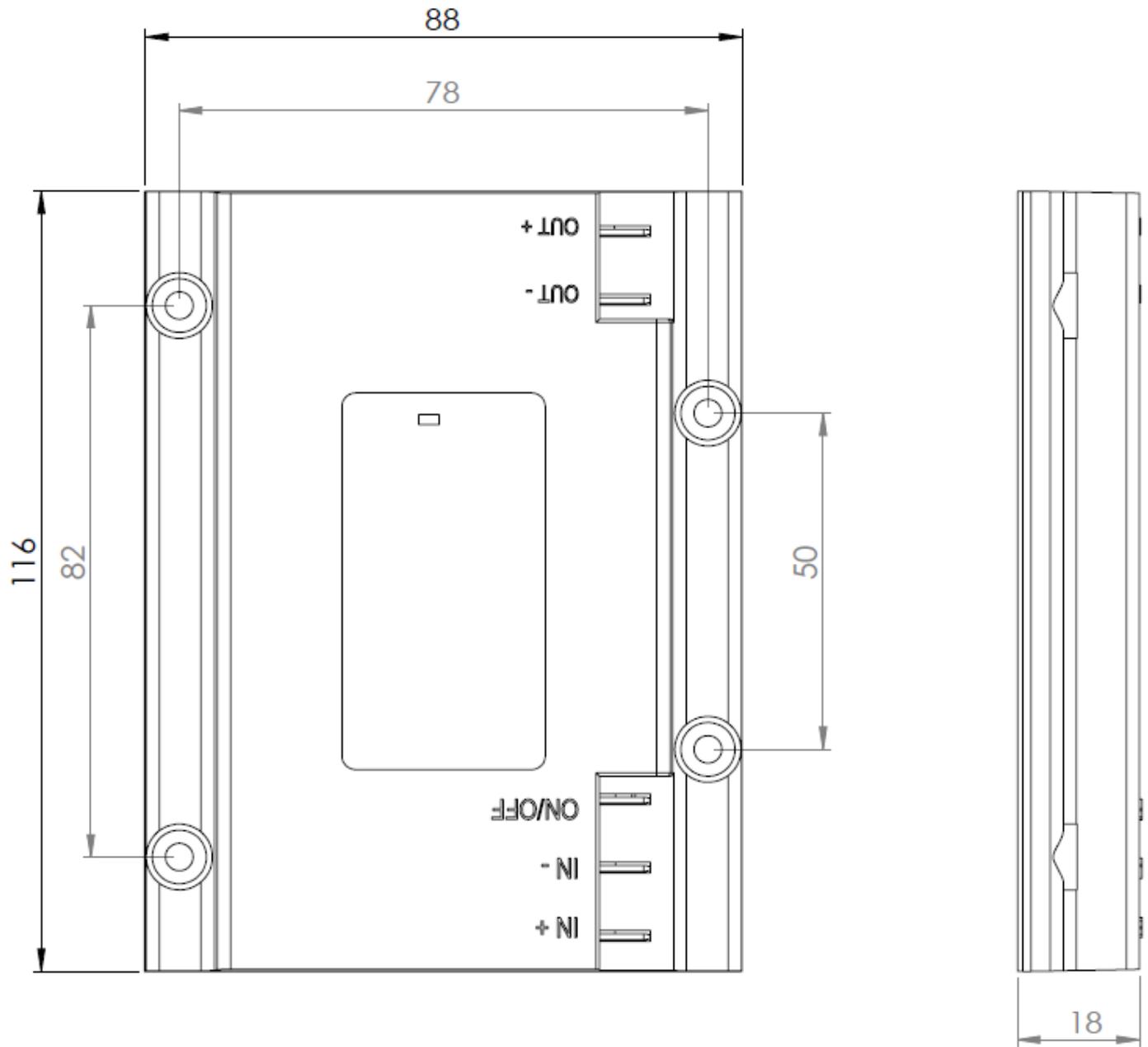
TECHNICAL SPECIFICATION

MODEL	9-36V > 12V			9-36V > 24V		
PART NUMBER	0060316			0060317		
INPUT VOLTAGE RANGE	9-36V			9-36V		
OUTPUT VOLTAGE	MIN	DEFAULT	MAX	MIN	DEFAULT	MAX
	12V	12,5V	15V	24V	24,5V	30V
OUTPUT VOLTAGE RANGE - ADJUSTABLE	12-15V			24-30V		
POWER	200W			200W		
MAX AMPERE IN	22A			22A		
MAX AMPERE OUT	16.5A			8.5A		
QUIESCENT CURRENT	< 1mA			< 1mA		
EFFICIENCY	>94%			>94%		
OVERVOLTAGE LIMITATION OF SECOND CONTROL LOOP	n.a			n.a		
OPERATING TEMPERATURE	-40°C to +70 °C			-40°C to +70 °C		
	Reduced output from +50 °C			Reduced output from +50 °C		
STORAGE TEMPERATURE	-40°C to +95 °C			-40°C to +95 °C		
HUMIDITY	0-100% RH			0-100% RH		
MECHANICAL VIBRATION	10G			10G		
	According to standard IEC 60068-2-6			According to standard IEC 60068-2-6		
HANDLING SHOCK	Will show damage			Will show damage		
INGRESS PROTECTION	IP21			IP21		
	Mounted with connector downwards			Mounted with connector downwards		
FINISH	According to standard IEC 60068-2-6			According to standard IEC 60068-2-6		
HOUSING	Plastic			Plastic		
CONNECTORS	6,3mm Faston			6,3mm Faston		
WEIGHT	200g			215g		
MEASUREMENTS L x W x H	115 x 88 x 9mm			115 x 88 x 9mm		

ELECTRICAL CHARACTERISTICS

Unless otherwise stated, conditions apply to full temperature range and full input voltage range.





IP21 MODELS