

TECHNICAL SPECIFICATION

DC-DC CONVERTER ISOLATED
WIDE INPUT VOLTAGE RANGE IP67

Din forhandler



GACELL A/S - Sletten 17 - DK 7500 Holstebro - 961 02 961



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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.

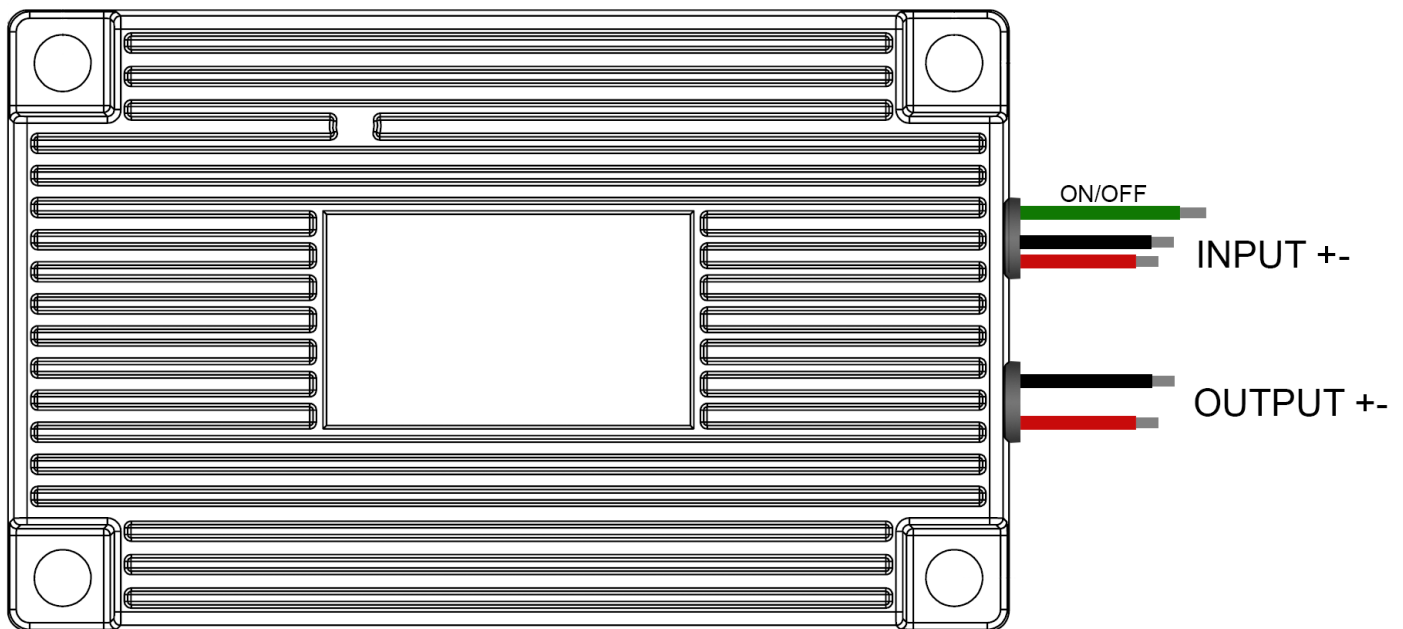


General

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 %. The electronics in DC-DC monitors the internal temperature, indicates short circuits and reverse polarity, this prevents damage to the device when the DC-DC is misused. The complete electronics is mounted in an aluminum housing. The electronics are sealed completely with potting resin. Water, oil or other substances will thereby be effectively kept out. The converter can be mounted in harsh environment. Withstand vibration and environment according to automotive standard ISO 16750.

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 IP67, the internal electronics has a protective layer of lacquer. This brings the DC-DC suitable for both indoor and outdoor mounting, in vehicles or built into the current machine.



APPROVMENTS

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

CE.

PART NUMBER

- 0060316IPZ
- 0060317IPZ



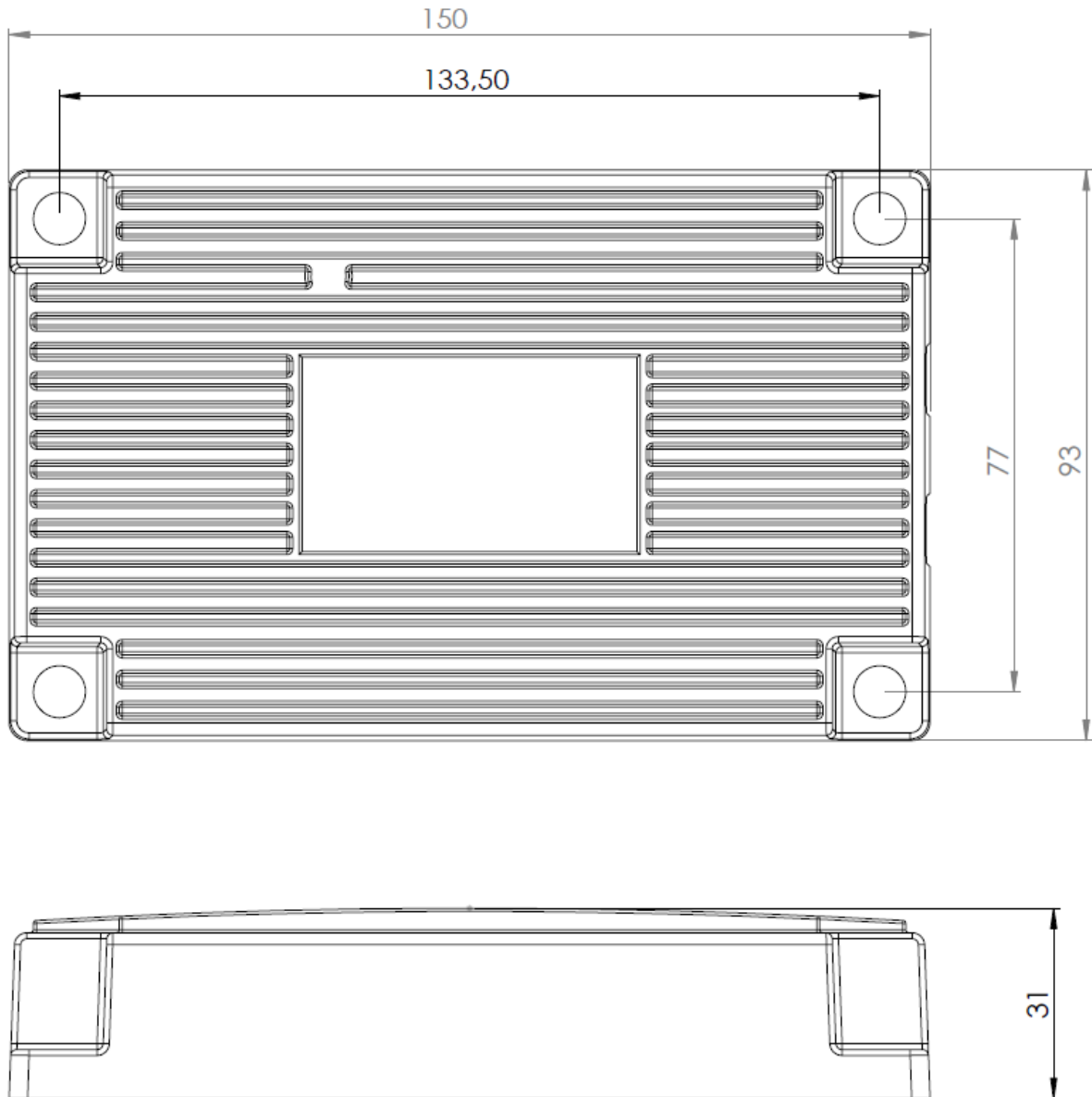
TECHNICAL SPECIFICATION

MODEL	9-36V - 12V			9-36V - 24V		
PART NUMBER	0060316IPZ			0060317IPZ		
INPUT VOLTAGE RANGE	9-36V			9-36V		
OUTPUT VOLTAGE (Tolerance 1%)	MIN	DEFAULT	MAX	MIN	DEFAULT	MAX
	12V	14,4V	15V	24V	28,2V	30V
OUTPUT VOLTAGE RANGE - ADJUSTABLE	12-15V			24-30V		
POWER (approx.)	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	18G			18G		
	According to standard IEC 60068-2-6			According to standard IEC 60068-2-6		
HANDLING SHOCK	May show damage			May show damage		
WATER	IP67			IP67		
	Waterproof			Waterproof		
FINISH	According to standard IEC 60068-2-6			According to standard IEC 60068-2-6		
HOUSING	Powder coated aluminum			Powder coated aluminum		
CONNECTORS	Cables, 2,5mm ²			Cables, 2,5mm ²		
WEIGHT	820g			820g		
MEASUREMENTS L x W x H	150 x 93 x 31mm			150 x 93 x 31mm		

ELECTRICAL CHARACTERISTICS

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





IP67 MODELS