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# AS00944xy, DC-DC Converter

## Input: 18 – 72 VDC; Output: 12 VDC

## Operating Instructions



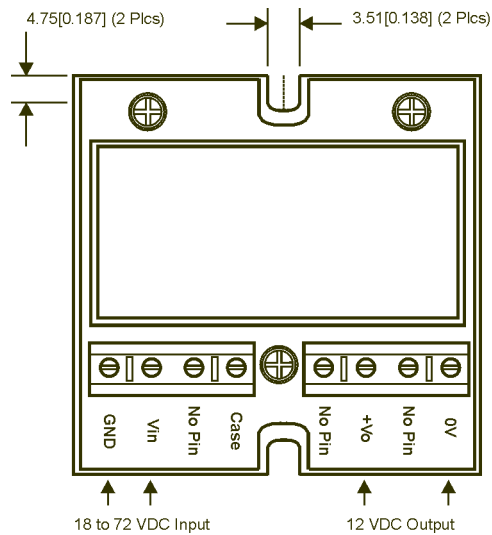
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## General Description

The AS00944xy, power adapter, is a DC-DC converter that accepts an input between 18 and 72 VDC (48 VDC typical) and provides a steady 12 V<sub>DC</sub> at the output terminals. This product may come with product specific output cabling depending on the connected device. Mounting is by two screws into heat sink, or by optional DIN rail adapter. Input and output voltages connect to the DC-DC converter with separated terminal blocks. The “xy” in the part number refers to optional configurations.

## 1 Mounting



## Specifications

Dimensions:	2.17 in. × 2.06 in. × 0.75 in. (55.0 mm × 52.3 mm × 19.1 mm)
Weight:	53.5 grams
Input/output terminals:	5.0 mm spacing, use M2.5 screw
Input voltage:	18 – 72 V <sub>DC</sub>
Output current (min./max.):	±83/833 mA
Output power (max):	10 Watts
Ripple (max.):	50 mV <sub>p-p</sub>
Noise (max.):	150 mV <sub>p-p</sub>
Efficiency:	83%
Temperature, operating:	-40 °C to +85 °C
Temperature, storage:	-55 °C to +125 °C
Storage humidity:	95%, non-condensing

## Requirement on Output Load

In order to ensure the product operates efficiently and reliably, the DC-DC Converter output current must be at least 83 mA. If the actual load current is less than 83 mA, make sure the included 120-ohm, 2-watt resistor is connected across the output terminals. Otherwise, if the actual load current is greater than 83 mA it is not necessary to include the 120-ohm resistor.