VUMS POWERPRAG

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STEP-UP

Step-Up DC/DC Converter with Output Power up to 200W without Input/Output Isolation

Generates from the input non-stabilized DC voltage a **stabilized DC output voltage, whose value is higher than the input voltage**. There is no input/output isolation (common input and output ground). Maximum output power up to 200W.

Specification:

	Version 1	Version 2
Input voltage range:	**+10VDC to +18VDC**	**+20VDC to +36VDC**
Output voltage range of setting:	**+18VDC to +27VDC**	**+36VDC to +54VDC**
Maximum output current:	**10A**	**5A**

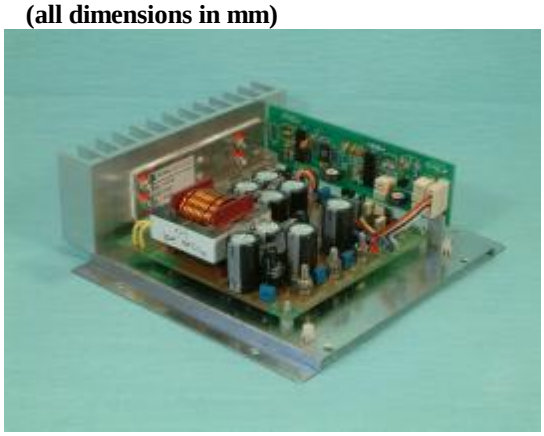
- maximum output power: up to **200W**
- short circuit protection on the output with an external fuse
- efficiency: typically 90% to 95%
- built-in input and output filter
- natural convection cooled
- operating ambient temperature range: 0 °C to +50 °C, full power, derate 2%/ °C up to +70 °C
  -25 °C to +60 °C for –T version
- dimensions: 177 mm x 57 mm x 172 mm (2.07” x 1.71” x 0.69”) including metal cover and heatsink)
- weight: 1.2 kg (2.65 lbs)

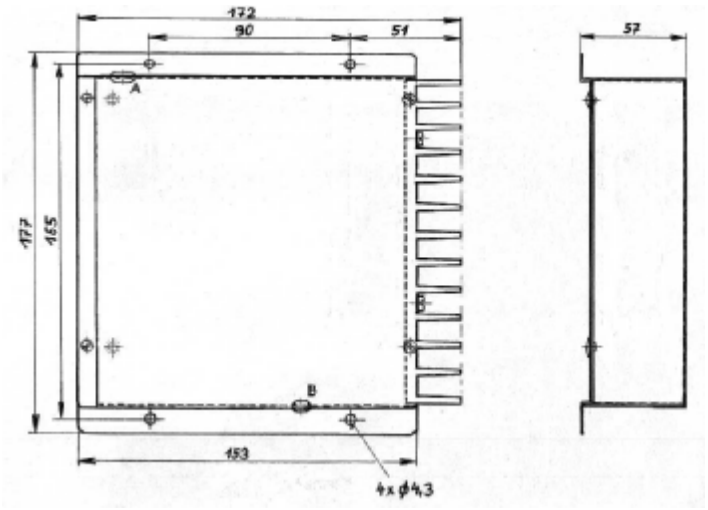
Application:

STEP-UP converters are designed for creating of output voltage 24VDC from an input voltage 12VDC or output voltage 48VDC from an input voltage 24VDC with output power up to 200W. They can be used for example in vehicles, in automation and telecommunications. **User must provide a proper fuse into +U INPUT line in order to comply with safety approvals.**

Mechanical Drawing:

(all dimensions in mm)





A: rubber bushing diameter 8 mm for power cables, B: not used