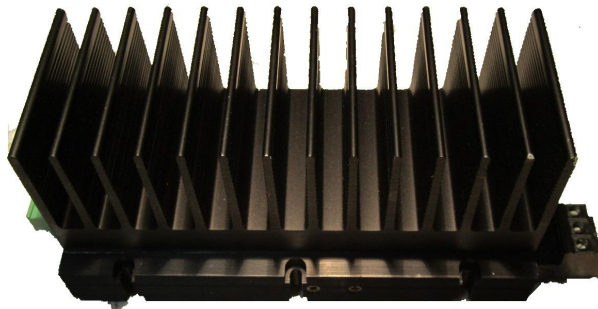


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1. INTRODUCTION

The *GB2-360 360W DC/DC converter* is a highly integrated DC/DC converter designed for Industrial applications. Different output voltages are available. The full encapsulation of these converters provide ultimate moisture and shock protection. The GB2-360 series also use a patented startup circuitry to enhance startup of high surge load.

The unit is encapsulated into an aluminium U-channel as the heatsink surface for the converter. Utilising the latest planar magnetic and high integration ceramic technology, the unit footprint is measured only 90x180mm, with the total height of 95mm.

Input and Output to the unit are via 5mm pluggable screw-lock terminal blocks. A green LED indicates the present of output voltage. Output voltage is factory set to the initial accuracy of 0.5%.

Maximum operating ambient temperature of the unit is 60°C without derating. The maximum surface temperature rise of the heatsink would be around 40°C above ambient. (Direct skin contact with the heatsink surface should be avoided.)

The module has an internal shunting device for input surge and reverse polarity protection. In order for these protections to function correctly and also to avoid fire risk, the unit must be connected with an external fuse. Recommended fuse rating for different models are in Sec. 2.

