

YGE 160 HV Heat sink

This Heat sink enables our YGE 160 HV to also have an optimal heat dissipation in less ventilated models. The use of cooling pillars makes the airflow direction irrelevant and you can place your controller as you wish, the pillar shape is optimized to maximize the cooling area.

Technical Data:

- Size: 70 x 62 x 7 mm (2.76"x2.44"x0.28")
- Weight incl. fasteners: 53g (0.12 Lbs)

Assembly

- Cut the heat-shrink at the bottom of the YGE controller and remove it.
- Apply a drop of Thermal Paste or a thin film of Silicone on top of all 9 Mos-Fets that make contact with the inner surface of the heat sink. You can use a regular silicone kit often used as a sanitary sealant, it has sufficient thermal conductivity.
- Place the controller centred in the heat sink. (if needed, carefully sand the perforated long sides of the circuit board until it fits nicely.)
- The two supplied connection tabs should be oriented with the cutouts on the side of the three black motor wires.
- Slide the completed controller in the supplied Heat-Shrink and centre it .
- Shrink it With a hair dryer on the hottest setting or a heat gun at approximately 200°C (392F) at 15 cm (5.9") distance, while doing so free up the pillars by cutting out a piece of the Heat-shrink.

Attention

The Heat sink has an electro conductive connection to the GND of the Battery connector. Therefore avoid any risk of contact with the battery's power side. Also avoid contact with aluminum or Carbon-frame parts.

