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## Smartmi Graphene Heater with an IPX4 Waterproof Rating Launched

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We are approaching winter and as usual, this is the ideal time to shop for gears that would help keep us warm all through the winter.

Manufacturers are also pushing out new winter gears. Xiaomi's ecological chain company Smartmi Technology has officially released its latest GR-H new graphene heater. The product will go on sale on October 20 priced at 799 yuan (~\$119). It is also scheduled to be sold during the 11.11 shopping festival for 599 yuan (~\$89).

[Smartmi](#)'s new graphene heater uses a new material, graphene, which has a 99% conversion rate of electric heat, which reduces energy loss during heating. In terms of the heating element structure, the graphene heater uses an innovative GFM structure with a heat dissipation area of 7116cm<sup>2</sup>, which is 48% larger than before.

In addition, it is coated with a 3322cm<sup>2</sup> graphene far-infrared heating element coating on the surface of the heating element, which effectively improves the overall heat dissipation efficiency of the heater, and the heating rate is 60% higher than other electric heaters.

In the heating method, the combination of thermal convection and thermal radiation can achieve rapid and balanced heating. This effectively solves the problems of uneven heating and slow heating speed of heaters with a single heating method.

The Smartmi graphene heater has an IPX4 waterproof rating and can be used in the bedroom and living room as well as in the bathroom. The internal fully enclosed circuit design is equipped with a waterproof protective shell. Even if the shower water splashes on the heater while taking a bath, it can still be used normally and safely.

The power knob has three gear options of 900W, 1300W, and 2200W. There is also a temperature control button which can be used to set the desired temperature. After heating

to the set temperature, it will automatically stop heating and enter the heat preservation state.

Further, the heater is designed to support two placement methods: vertical and wall-mounted, which can be hung at a height that children cannot touch. In addition, triple power-off protection is added, such as the heater will automatically power off in the event of overheating or high temperature.

Read the [original article](#) on Gizmochina.