

HOT WATER GENERATOR

The Microcare Hot Water Generator is an advanced PV-based water heating solution that uses standard solar panels to power a conventional geyser element. It delivers over 95% solar conversion efficiency, making it significantly more effective than traditional thermal solar geysers. With no plumbing, pumps, or pipes required, the system is fast to install, easy to retrofit, and compatible with any standard geyser (2kW–4kW elements).

Its innovative design removes the need for circulating water, preventing the common issues of freezing in winter and overheating in summer. Installation requires only electrical wiring—no long pipe runs—eliminating heat loss and ensuring instant hot water with minimal waste. The system also features digital temperature control, Wi-Fi connectivity for remote monitoring, and built-in AC/DC protection, making it one of the safest, smartest, and most efficient solar hot water solutions available.



Features include:

- Reduce your energy spend by 30%
- Fit to an existing geyser with no plumbing required
- Retrofits to any 2kW, 3kW or 4kW element
- No need to replace Element or Thermostat
- Out performs solar thermal heaters & operates in inclement weather
- Efficiency greater than 96% on solar
- Mains override if no solar is present
- Wi-Fi App for set-up & daily operation
- Low heat dissipation
- Accurate digital temperature control

PRODUCT SPECIFICATIONS

AC Element Size (kW)	2kW	3kW	4kW
Min Input Solar Panel Voltage	185Voc	140Voc	130Voc
Recommended Solar Panel Voltage	230 - 275Voc	185 - 230Voc	140 - 210Voc
Max Input Solar Panel Voltage	275Voc		
Max Input Solar Panel Power	2600W		
Min Input Solar Panel Power	900W (0.9kW)		
Rated AC Input Grid Amps	20A		
Rated AC Input Voltage	230V AC		
Dimensions (w x l x d)	22cm x 30cm x 10cm		
Weight	1.4kg		
Warranty	24 months		