

E-Cooking

The challenge: Even when grid electricity is available, many households continue to cook using traditional firewood stoves, or use LPG. Firewood collection requires time and effort and can be dangerous. Burning firewood causes indoor pollution which can cause ill-health. LPG on hand, while cleaner than some fossil fuels is still a fossil fuel. It is also relatively expensive as a fuel source. How can the efficiency of cooking be increased while reducing cost?

The solution: Where the grid is sufficiently reliable, electric induction stoves (or 'e-cookstoves') offer the best solution. They are fast and efficient, easy to clean and relatively cheap to run. They generate no pollution in the household.

The technology: An electric induction stove is powered by grid electricity. It works by creating a magnetic field underneath an easy-to-clean glass surface. When a suitable pan is placed on top, the pan heats up quickly even though the stovetop glass does not get hot. Suitable pans are those made of cast iron or magnetic stainless steel; if a magnet sticks to a pan it can be used.

Illustrative output: Single, double or multiple-place e-cookstoves are available. A typical stove is 2,100 Watts.

Lifespan? @10 years.

Why choose Solar MUS?

- ✓ Efficient, effective and environmentally friendly option.
- ✓ Cheap to run and maintain.
- ✓ Easy to clean.
- ✓ Safer and cheaper than firewood or LPG; reduced risk of burning or causing fires.
- ✓ Major reduction in time and effort required – usually by women – to fetch firewood.

