

# **SOLAR INDUCTION COOKER**

Designed by

Mr. Puttaraj, India

(Report and comments shared by Dr. Ashok Kundapur)

Mr. Puttaraj residing near Hassan, of Karnataka had invented a method to run Induction type cooker day and night on Solar Power. This invention would be a boon to middle income families across the World. For they can very conveniently cook food, during day or night in the comforts of their kitchens. Even the families residing in multi storied flats can also use this cooker.

Probably it was Prof. Shyam Nandwani, working in south America who suggested he use of Induction cooker in off grid PV supported Solar homes. This was way back in 2006 at an SCI conference held in Spain. But then, no one had thought of pursuing the idea, and those who did had used multiple solar panels.

Mr. Jan Kluiver, the inventors of Fortune Solar Cooker, had incorporated a 50 w solar panel in his design but the actual cooking was done by sunrays.

Mr Puttaraj, uses a 200 w solar panel, stores energy in a battery and uses an Induction cooker to cook food. One would note he hasn't used an Inverter to charge battery. Through a small device innovated by him, he converts the DC power to AC power to run the Induction Cooker. Puttaraj says that the selling cost of the entire assembly will not be more than INR 16,000/- (US\$ 250/-). This innovation has many advantages, as the actual cooking can be done within 90 min at the maximum, the battery can store enough solar power during remaining part of the day and enable housewife to cook food during night as well apart from using the solar power thus stored to light a lamp or a fan if need be. Thus it is going to a boon for high as well as middle income families across the World.



**Puttaraj's Solar Induction cooker**