

# Surya Biomass Cookstoves

Taylor-made Solar Solutions Private Limited



**Surya Cookstoves** are the Best in class Cookstoves with maximum efficiency and sturdy structures. **Surya Cookstoves** work on the principal the gasification and this process greatly improves the efficiency of the Cookstoves. In this process we attain complete combustion of the fuel. As most of the emissions are converted into energy this innovative technology offers cleaner, cheaper, reliable and better controlled gas cooking from any biomass while protecting our environment.

## Surya FLD - BPL



## Surya- FLD



## Surya FDC



## Surya FDD



## Surya NDC



### Benefits With Surya Cookstoves

- Fuel Efficient Cookstoves, saving upto 70 % of Fuel
- Best in class Efficiencies in all models
- Eco Friendly and Smoke Free Chullha
- Sturdy structure
- As per the new BIS Standards
- Easy To Operate and Carry due to efficient Designs
- Comes in various Sizes and Designs for different uses.
- 90% reduction in Air Pollution
- Self Starting Cookstoves- No need to blow air and breathing smoke to start the fire.
- Natural Draft as well as Force Draft options available
- No set up or installation is required
- Battery back up along with charger box provided, hence you don't have to move the Cookstoves every time.
- Easy cleaning with help of bottom removable trays.

### Benefits of Biomass Cookstoves

- Next Generation of Cook Stoves.
- Solid mild Steel metal construction for a long life.
- Efficient, affordable, easily adoptable for daily cooking needs.
- Almost zero maintenance required.
- Two to Five times improvement over traditional methods.
- Reduces the cooking time by approximately half.
- Can be used outdoors.
- Empowers users to take control of their carbon footprint and make a true global difference.
- Faster paybacks and less harmful for users at CO<sub>2</sub> emission.
- Cost Effective Designs.
- Reliable long term high Performance Stoves.
- Easy to add more fuel for longer cooking.
- Will use any Biomass fuel such as wood, sticks, twigs, wood chips, cow dunk, etc.
- Protects and promote a cleaner environment. Better health for woman and children



# Surya Biomass Cookstoves

Taylormade Solar Solutions Private Limited

All the models are Best in its Class.



## Surya- FLD

- **Model: Surya Front Loading Domestic Cookstove**
- Cooking Capacity : 5 to 12 People
- Thermal Efficiency : 30 %
- Power Output : 1.631 KW
- Easily Portable and easy to operate.

## Surya FLD - BPL

- **Model: Front Loading Domestic Cookstove for Below Poverty Level**
  - Cooking Capacity : 5 to 12 People
  - Thermal Efficiency : 32.24 %
  - Power Output : 1.99KW
- Very affordable and specially designed for below poverty line customers.



## Surya FDD

- **Model: Surya Force Draft Domestic Cookstove**
- Cooking Capacity : 5 to 20 People
- Thermal Efficiency : 40 %
- Power Output : 2.497 KW
- Best in class efficiency.

## Surya NDC

- **Model: Natural Draft Community Cookstove**
- Cooking Capacity : upto 40 People
- Thermal Efficiency: 30 to 35 %
- Complete gasification takes place.
- Power Output: 8.25 KW



## Surya FDC

- **Model: Force Draft Community Cookstove**
- Cooking Capacity : upto 50 People
- Thermal Efficiency: Above 45 %
- Prolonged working hours, can cook for many people at once in short time, self-starting Cook stove, battery box available.
- Power Output : 10.0 KW