

## Mimi Moto Cookstove Product Specifications

Stove Manufacturer	Mimi Moto
Stove Model	Mimi Moto
Stove Type	Fan-driven, Top-lit Updraft (TLUD) Gasifier Stove

### Materials

Stove Body	Interior: Stainless Steel (grade 201) Exterior: Powder Coated Galvanized Steel
Stove Base	Glass-filled Nylon Plastic Legs (5 legs)
Pot Rest	Stainless Steel (grade 201)
Burning Chambers	Stainless Steel (grade 316)

### Accessories and Parts

Solar Panel	5V / 6 watt unit, regulated
AC Power Adapter	Input: AC100-240V 50/60Hz; Output: DC 5V = 1A
Fan (inside stove)	DC 12V Brushless
Battery (inside stove)	5,000 mAh LiFePo4 battery
Time to Charge Battery (from empty to full)	5/6 hours with AC and 6 hours with the solar panel
Battery life on one full charge	Low fan speed (0): 28 hours High fan speed (max): 9 hours

### Measurements

Height	cm	37
Diameter (at top of stove)	cm	24
Weight	kg	3.5
Fuel Chamber Volume	cm <sup>3</sup>	Big Chamber 1099 Small Chamber 520 (considering that fuel should be filled no higher than 1 cm below the holes in the combustion chamber)
Firepower	watts	Max 4,000 – 5,000, Min 2,000 – 3,000

## Fuels

Fuelwood	Coconut Husks
Woodchips	Corncoobs
Briquettes	Other Bulky Biomass
Pellets	

## Stove Performance

Parameter	Mimi Moto*	Cambodia Baseline**	The Mimi Moto...
High Power Thermal Efficiency (%)	45%	27.2%	is 65% more efficient
High Power PM Emissions (mg/MJ)	16	1036	produces 98% less particulate matter
High Power CO Emissions (g/MJ)	0.22	4.9	produces 96% less carbon monoxide

\*Testing conducted by G-BEL Laboratory (Institute of Technology Cambodia, ITC) in Phnom Penh, Cambodia in March 2016.

\*\*Testing conducted by G-BEL Laboratory (GERES) in Phnom Penh, Cambodia in 2014.