



A G S O L

EFFICIENT CLEAN FOOD-PROCESSING

PRODUCT CATALOGUE

www.agsol.com

The Smartest & Most Efficient Small Mill in the World

Agsol Hammer Mill



The Benefits

- > Mills a variety of dry grains, pulses, tubers & spices
- > Powered by solar, grid or e-bike
- > Switch between fine flour or animal feed with an easy sieve swap
- > Paygo and IoT enabled



Specifications

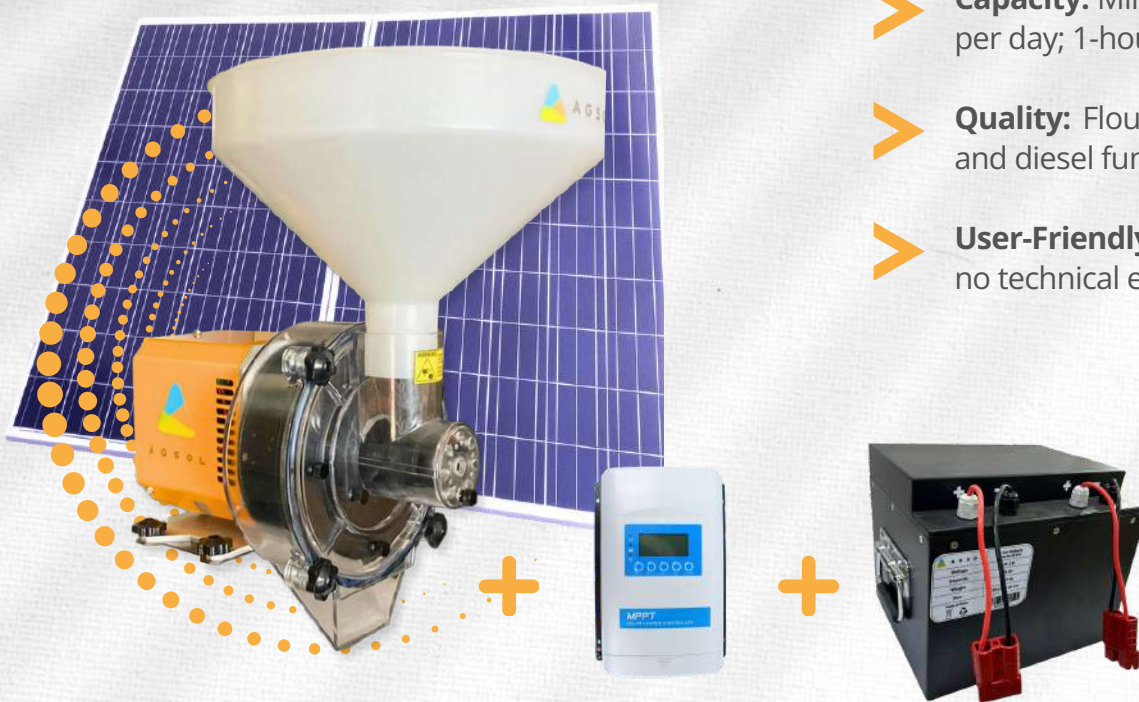
Power Supply	DC Input
Motor rating	1000 W
Average Power Consumption	800 W
Input voltage (nominal)	48 VDC
Acceptable voltage input range	46 – 55 VDC
Rated spindle speed	12,000 RPM
Production rate (maize on 1.2 mm screen)	55-65 kg/h $\pm$ 10%

Efficiency (on 1.0 mm screen)	55 kg/kWh $\pm$ 10%
Production capacity (chicken feed 6.0 mm screen)	250 kg/hr
Holding capacity (standard hopper)	5 kg
Machine weight	7.4 kg
Mill dimensions	30 x 21 x 25 cm
Box size with peripherals	50 x 37 x 38 cm
Box weight with peripherals	8.9 kg

Solar Package

The Benefits

- **Capacity:** Mills 200+ kg of maize per day; 1-hour battery backup
- **Quality:** Flour free from mould and diesel fumes
- **User-Friendly:** Fully automated, no technical expertise required



Package Includes:

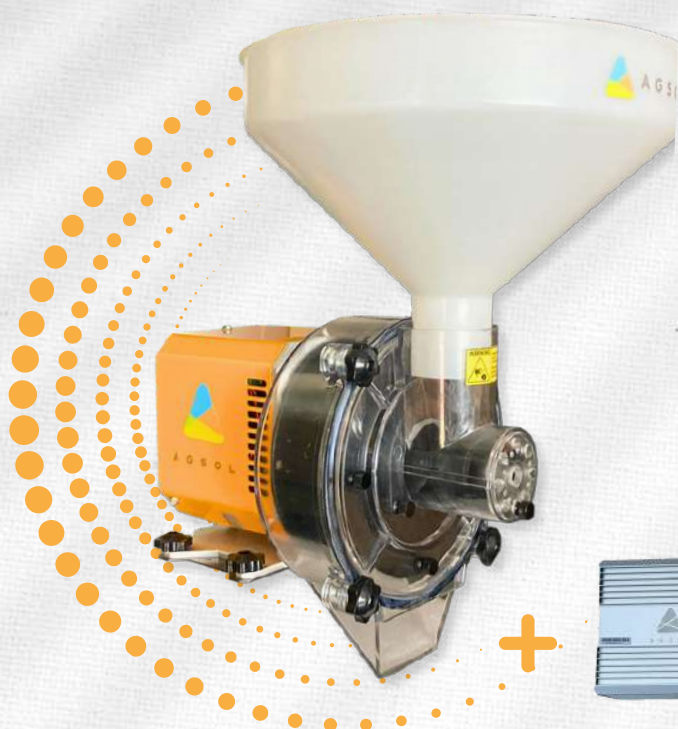
- Agsol Hammer mill + 1.0 mm screen
- 1.0 mm spare screen
- Mill stand
- Solar panels (700 W)
- Solar battery pack (900 Wh)
- Solar charge controller MPPT
- **Solar installation included**

"70% more profitable compared to diesel mills"



Grid Package

The Benefits



- **One-Stop-Shop:** Ideal for urban grain traders and shop owners, offering both grains and milling services in one convenient location.
- **Efficient:** Runs on single-phase power with just 750 W consumption, keeping energy bills low. Minimal installation required and maintenance-free.
- **Portable & High Capacity:** Weighing only 7 kg, it's easy to move. Mills 55-65 kg of fine flour per hour, running continuously to meet demand.



Package Includes:

- Agsol Hammer mill + 1.0 mm screen
- Spare 1.0 mm screen
- Mill stand
- AC/DC power converter 1 kW
- Plug-and-play - no installation needed!



Power Supply Components

Solar Battery Pack Li-Ion 48 V 900Wh

Model number: AB 4818



The battery stores energy for use when solar power isn't available, allowing the mill to operate for up to one hour without solar input, and all housed in a secure enclosure.

Specifications

- Rated Voltage: 51.2 V
- Voltage Range: 50 - 54.5 V
- Rated capacity: 18 Ah
- Rated Energy: 921.6 Wh
- Weight: 12.1 kg
- Dimensions: 20 x 24 x 20 cm



Solar Charge Controller MPPT 48V 30A

Model number: EP23

The MPPT charge controller optimises the energy output from solar panels by continuously adjusting the voltage to match the battery's requirements, maximising the charging efficiency.

What is in the box?

- 1 x charge controller with 2m long cable
- 4 x wall plugs
- Box size: 31 x 21 x 11 cm
- Box weight: 3.4 kg

AC/DC Converter 1kW

Model number: TW23



The AC/DC converter plugs into a standard socket and allows the Hammer Mill to operate seamlessly on single-phase power.

What is in the box?

- 1 x AC/DC converter with 2m AC power cable and 2m DC power cable
- 4 x wall plugs
- 1 x AC/DC Converter Installation Manual
- Box size: 51 x 18 x 9 cm
- Box weight: 4 kg

Spare Parts & Accessories



Screen

Model numbers: SH10, SH12, SH30, SH60

Our quality screenholders efficiently sieve grain to achieve your desired flour fineness. Made from durable materials, they ensure long-lasting performance.

- Screen size available: 1.0 / 1.2 / 3.0 / 6.0 mm
- Weight: 0.45 kg
- Dimensions: 21 x 21 x 12 cm



Hammer Disk

Model number: MH23

Our premium-quality milling disk is specially hardened and balanced for optimal efficiency. Designed for high durability, it maximizes milling results and enhances productivity.

- Weight: 0.5 kg
- Dimensions: 11 x 11 x 3 cm



Mill Stand

Model number: TP22

This sturdy mill stand ensures reliable stability for milling operations, allowing you to work with confidence in any setting.

- Weight: 2.2 kg
- Dimensions: 55 x 53 x 53 cm



Hanging Hopper

Model number: HH22

Perfect for commercial use, the hanging hopper holds up to 40 kg of grain at a time, ensuring efficient and productive milling.

Weight: 0.8 kg
Dimensions: 55 x 55 x 40 cm



Extension Cable

Model number: EC22

Weight: 0.55 kg
Length: 2 m

Let's Get In Touch!

We'd love to hear from you! Whether you're interested in learning more about our products, exploring partnership opportunities, or have any questions, we're here to help.

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