Wool Spinning Machine Technical specification

The wool spinning machine is an innovative tool that semi-automatically converts animal wool into string using solar energy. This machine has a small body that can easily fit in household spaces, providing high efficiency without the need for large areas.

The operation process of this machine involves solar energy, causing rotational movement, and the wool is converted into string by human force.

The use of solar energy as the primary energy source has many advantages. This machine is also highly effective in terms of environmental impact, as it does not rely on dirty and polluting energy sources such as fossil fuels like oil or gas. Instead, it produces clean energy through solar power.

With its small and installable features at home, this machine allows individuals to semi-automatically and without human intervention convert wool into string, using it for any project that requires yarn. This saves time and money for individuals and is also highly effective environmentally.

The machine dimensions of (Length/width /Height “47 x 42 x 37”) centimeters and iron frame (40x40mm profile) thickness 3mm the is equipped a motor that enables rotational movements. The motor has a power output of 50 to 60 watts 12 volt and is directly installed onto the solar panel via 100 cm cable 2x4.5mm.

It features a power switch for adjusting the electrical settings, allowing users to control the rotational speed by either decreasing or increasing it as desired.

250W Polycrystalline Solar Panel

The solar panel must meet the following specification

250W Polycrystalline Solar Panel

Max Power: 250W

Maximum system voltage 1000 Volts

VMP: 30.8V

Imp: 8.11A

Size: 1640*992*40mm

Frame material: Anodized aluminum alloy

Weight: 18.8KG / PCS

Operating temperature: -40 ^{O}C to 85 ^{O}C

Warranty: 25 years