

A photograph of several people working in a tea plantation. In the foreground, a woman wearing a purple jacket and a colorful headscarf is smiling and looking towards the camera. She is surrounded by lush green tea bushes. In the background, other workers are visible, some wearing hats and working on the plants. The scene is brightly lit, suggesting a sunny day.

PLUSS[®]

TECHNOLOGY FOR
A BETTER WORLD

**Sustainable
Solution**

**Improve Post
harvest Quality**

AAGUN[®]

PCM BASED EFFICIENT 24X7 HEATING.

**Revolutionize agriculture with 24/7
PCM off-grid drying technology**

AAGUN[®] PORTABLE SOLAR DRYER

Consistent Drying: Provides 24x7 drying at 50°C to 75°C completely off-grid.

Improved Productivity: Dries 60% faster than conventional solar dryers, reducing food waste and increasing productivity.

Improved Post-Harvest Quality: Produces higher quality dried products due to stable temperatures 24/7.

Higher Income: Increases market value and prevents distress selling by farmers.

Empowering Livelihoods: Enables entrepreneurship and empowers farmers with an eco-friendly solution.

Reduced Carbon Footprint: A grid-independent appliance that reduces the carbon footprint of agricultural drying.





How it Works

Aagun® is a off-grid 24/7 solar dryer that operates by using savE® OM65 degree phase change material (PCM)

During the day the PCM absorbs excess heat, keeping the produce from overheating. At the same time it stores solar energy when it melts the PCM.

During non-sunshine hours, the stored thermal heat is released by the PCM and it maintains a consistent drying temperature of 50°C.

A small solar powered fan that runs on the battery at night makes sure all the moisture is forced out.

The drying trays are not exposed to direct sunlight, therefore the products keep their vibrant colors.

Benefits

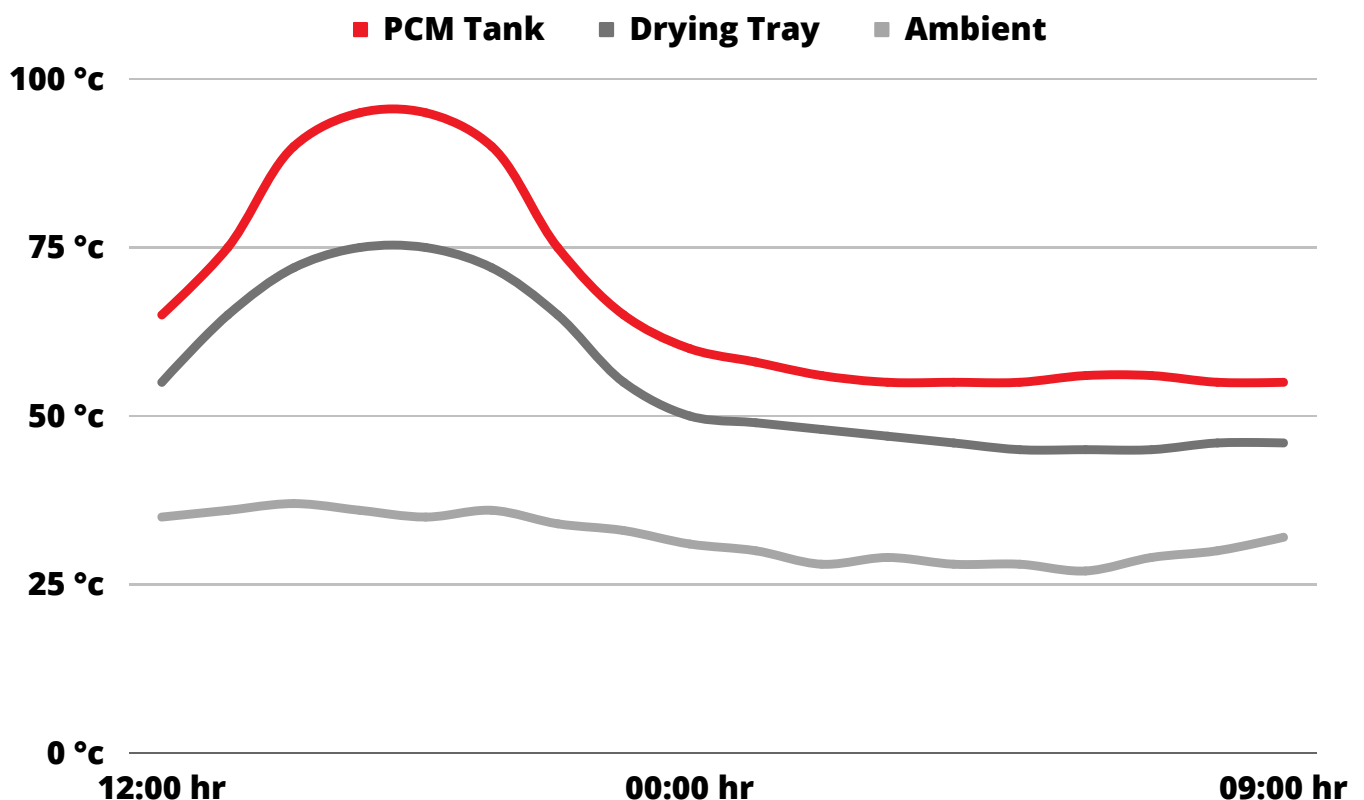
Efficient Drying: Aagun[®] offers constant drying at 45° - 55°C without electricity.

Boosted Productivity: Cuts drying time by 60%, reducing food waste.

Quality Preservation: Maintains nutritional value, aroma, and taste.

Higher Prices: Empowers farmers with better product quality.

Sustainable Impact: Eco-friendly, off-grid solution lowers carbon footprint.



Why Pluss Advanced Technologies

PLUSS is a **materials research** and **manufacturing** company involved in the field of **Phase Change Materials (PCMs)** for **thermal energy storage**.

A **sustainable** concept with endless **energy-saving applications**.



Your partner in PCM supply



European warehousing and encapsulating in the Netherlands



Custom solutions for special needs by strong research and development



15+ years of experience

Pluss Advanced Technologies B.V.

Helftheuvelweg 11
5222 AV 's-Hertogenbosch
The Netherlands

+31 (0) 85 06 04 828
pcm@plussat.eu
www.plussat.eu



Jan van Acqouij
General Manager
Jan@PlussAT.eu



Joris de Luij
Chief Commercial Officer
Joris@PlussAT.eu



Eddy Borst
Sales Manager
Eddy@PlussAT.eu