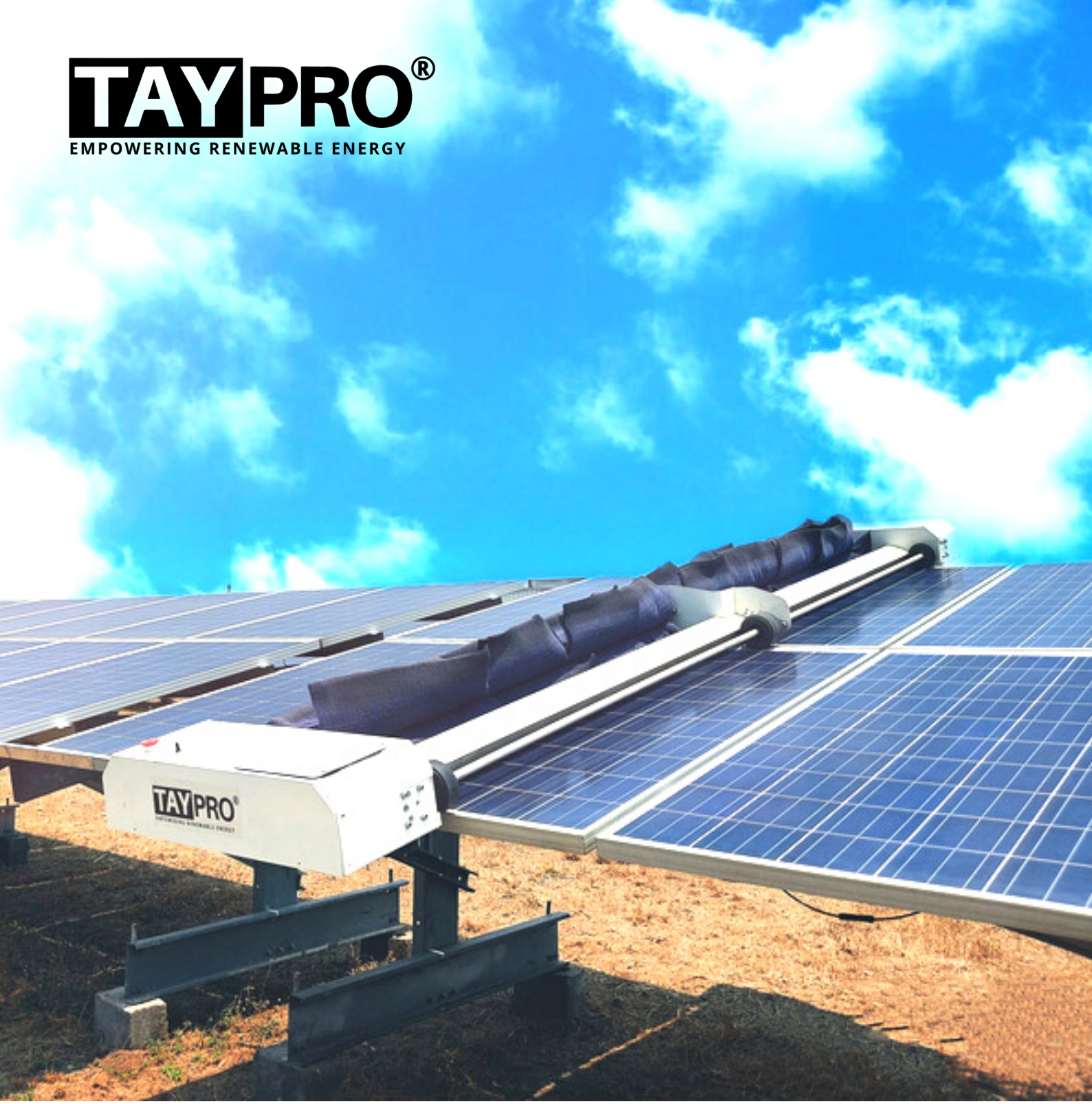
TAYPRO®

EMPOWERING RENEWABLE ENERGY



TECHNICAL DATASHEET

TAYPRO 2.1

AUTOMATIC WATER-LESS SOLAR PLANT CLEANING ROBOT

www.taypro.in

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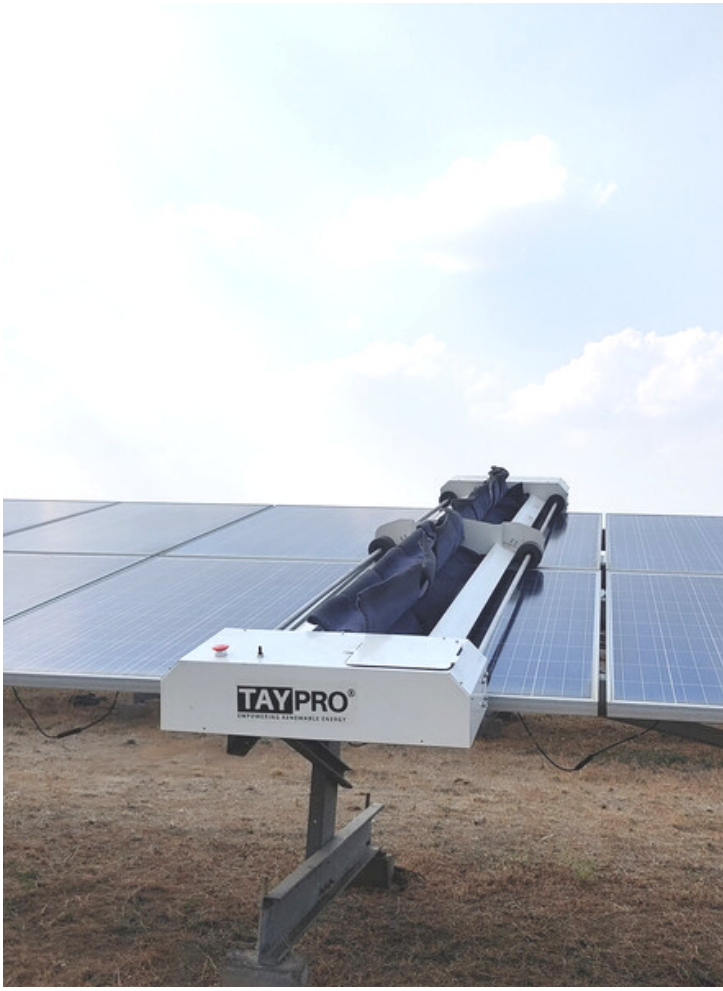
ELIMINATE THE SOILING PROBLEM

Taypro 2.1 is an Innovative water-less solar plant cleaning robot designed to retrofit in utility scale as well as rooftop solar plants which are not designed specifically for robotic cleaning with minor infrastructural modifications. The robot can clean up to 5,000 modules in a single nightly operation autonomously. It is designed with powerful yet soft microfiber and controlled airflow, the robot moves dust particles off the panels without water. An innovative cleaning assembly and driving mechanism, sensors and advanced remote monitoring make the robot compatible with fixed tilt, seasonal tilt and Horizontal single axis trackers. The Taypro 2.1 is compatible with any size of solar panel rows and the device comes equipped with a system which allows the robot to overcome high levels of irregularities and undulations.



- Waterless
- Light Weight & Portable
- Remote Control Over WiFi
- Dust & Waterproof
- Can be installed on existing plants
- Seasonal tilt compatible
- Works at any solar panel tilt angle
- Can overcome dimensional irregularities

TECHNICAL DATA

Dimensions	
Width:	550mm
Length:	Upto 8 meters
Height:	190mm
Cleaning Speed:	Adjustable upto 14 Meters/Minutes
Max Ambient Temperature:	85°Celsius
Power Consumption:	50 Watts
Operational at any inclination of solar panels	
Compatible with multiple solar arrays	

99%

Effective dust removal without water