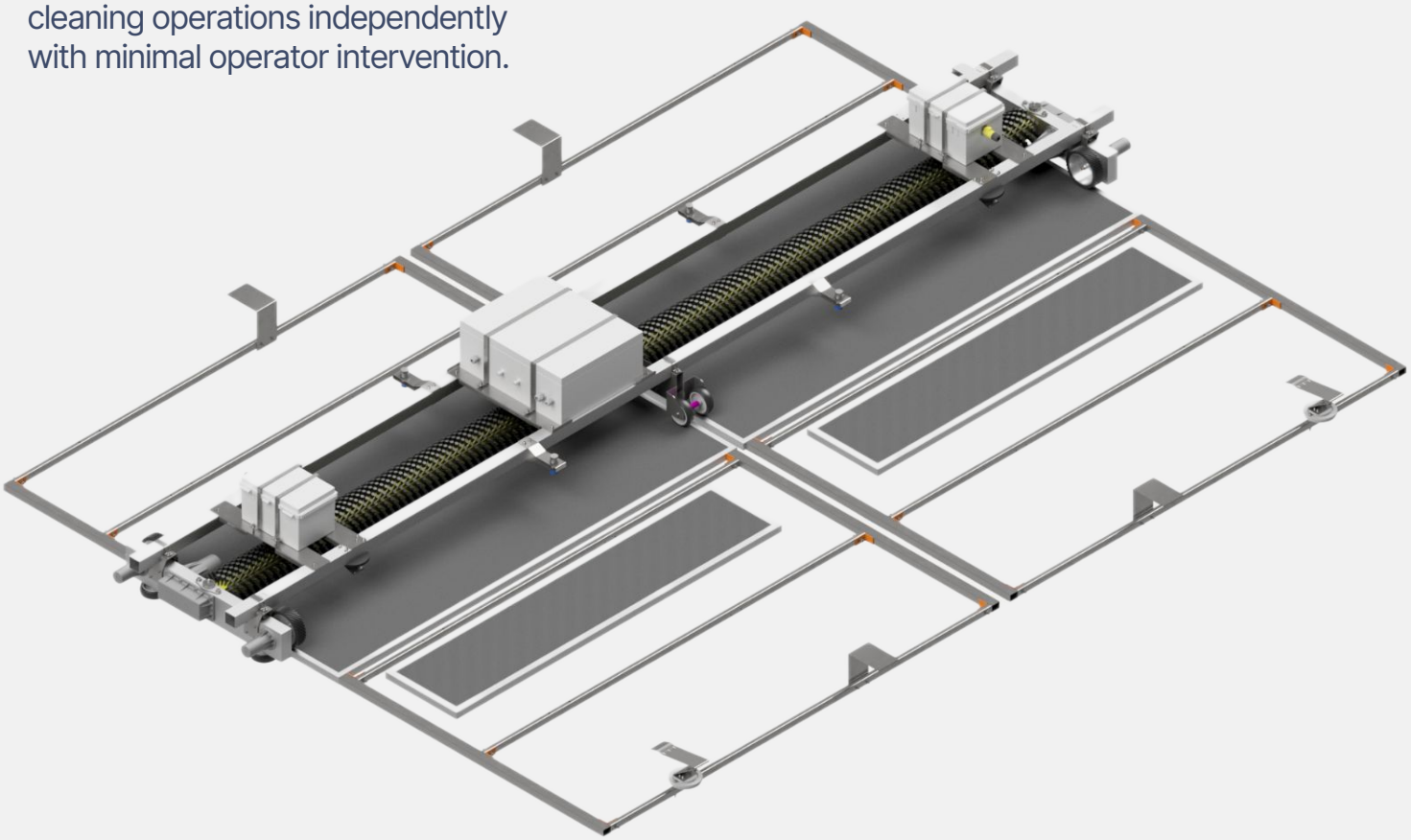
AUTOMATIC CLEANING ROBOT

SmartDuster

Model IT3

Designed to maintain photovoltaic module cleanliness and optimize cleaning operations independently with minimal operator intervention.



Key Features

Dry Cleaning

Uses Inti Tech cleaning brush for an effective and safe soil remotion.

Adjustable Brush Height

The integrated height adjustment system allows you to adjust the distance of the brush to the panel, extending its lifespan.

Modular Design for Easy Maintenance

The robot's modular design facilitates lifting, maintenance, and replacement of spare parts.

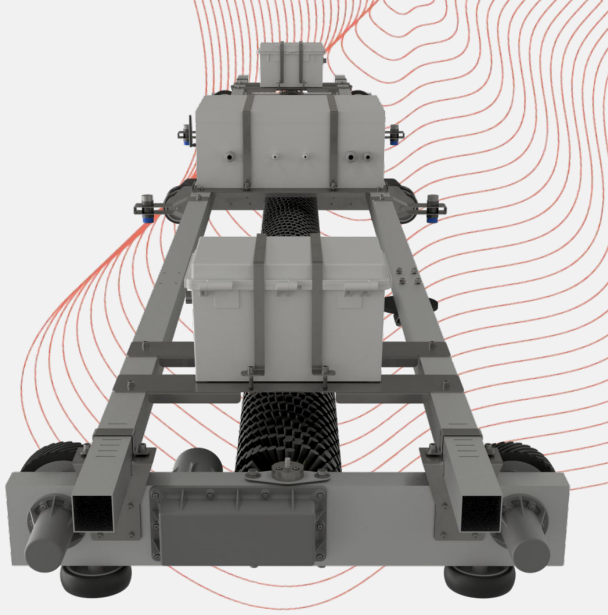
Smart Monitoring & Remote Control

Program cleaning schedules, access data, and track system status (including errors, jams, and GPS location) directly at the control unit or via the cloud-based Inti-Core platform.

INTI TECH

TECHNICAL SPECIFICATIONS

Autonomous Cleaning
Optimized Performance



SmartDuster Robot

	1V model	2V model
Net weight (referential)	68-72 kg	85-90 kg
Dimensions (L × W × H)(referential)	2.6 m x 0.78 m x 0.44 m	5.2 m x 0.78 m x 0.44 m
Maximum row length	120 m	
Maximum cleaning angle	45°	
Protection	Dustproof and waterproof	
Power Source	Lead-acid batteries charged by PV modules	
Control type	Remote (IT-Gateway), ~ 1 km transmission range	

SmartDuster Dock

	CHARGE dock	End of travel dock
Net weight (referential)	50 kg	20 kg
Dimensions (referential)	5 m x 1.3 m x 0.03 m	5 m x 0.6 m x 0.03 m
Charging panels power	200 W (100 each panel)	
Dock panels maintenance	The robot cleans them as part of its routine	
Recharge time (referential)	5 hours of effective sunlight	

BRUSH APPROVAL LETTERS

Approved by eight Tier 1 module manufacturers

LONGi · JinkoSolar · Trinasolar · JA SOLAR · CanadianSolar · BYD · ASTRONERGY · YINGLI SOLAR

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