



PHOTOVOLTAIC SYSTEMS CATALOGUE

“ TOMORROW'S ENERGY IN THE LIGHT OF THE SUN ”





ABOUT US

We, as a pioneering company in the solar energy sector, have adopted innovation and quality as the basic principle. we are a team. Installing solar energy systems by prioritizing customer satisfaction, We offer a comprehensive service in maintenance and cleaning. Our expert staff and With our constantly developing technological infrastructure, we offer the most suitable solutions to our customers and ensure that they We support them to meet their energy needs in a sustainable and environmentally friendly way. We are working for a cleaner future with solar energy and we continue to maintain our leading position in the sector. e aim to realize this vision by protecting it.

MISSION

We are a team specialized in solar energy systems and cleaning technologies. Our mission is to provide our customers with the best quality products with our innovative solutions. to help them build reliable and efficient solar energy systems. At the same time, with our cleaning robots, we use our cleaning robots to improve the performance of solar panels. reduce maintenance costs and extend the life of systems by providing effective cleaning solutions. we aim to extend it.

VISION

To be a pioneer for a bright future with solar energy. Clean, sustainable and environmental impact by leading the expansion of renewable energy sources reduce and meet the energy needs of society.



DIFFERENCES BETWEEN ROTOBLOCK CLEANED PANEL AND CLEANED AND UN-CLEANED PANEL

Energy Generation

Cleaned Panel: It absorbs more energy from the sun's rays and produces up to 30% more energy.

Uncleaned Panel: Dirt and debris block the sun's rays from reaching the panel, reducing energy production.

Panel Lifetime

Cleaned Panel: Regular cleaning prolongs the life of the panels by preventing them from heating up and becoming damaged over time.

Uncleaned Panel: Dirt and debris cause the panels to wear and deteriorate over time.

Maintenance Costs

Cleaned Panel: Regular cleaning saves money in the long run by reducing the risk of breakdowns and lowering repair costs

Uncleaned Panel: The risk of failure increases and repair costs rise.

Environmentally Friendly

Cleaned Panel: Robotic systems provide an environmentally friendly solution by saving water and not requiring the use of chemicals.

Uncleaned Panel: Water and chemicals used for cleaning can harm the environment.

Visualization

Cleaned Panel: It looks clean and shiny.

Uncleaned Panel: It looks dirty and dull.

Additional Benefits

Cleaned Panel: It heats up less and runs cooler.

Uncleaned Panel: Increased heating and reduced performance.

General Evaluationa

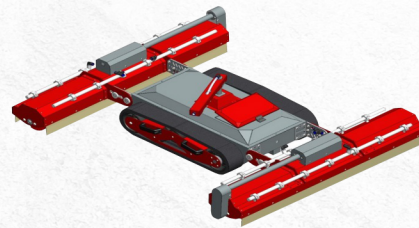
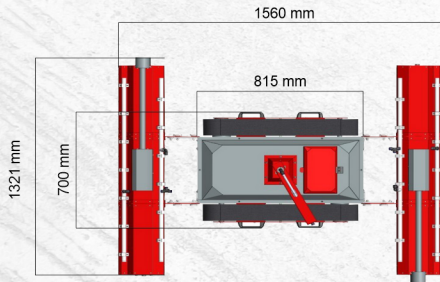
Robotic panel cleaning ensures that your solar panels produce more energy, last longer, have lower maintenance costs and are more environmentally friendly.



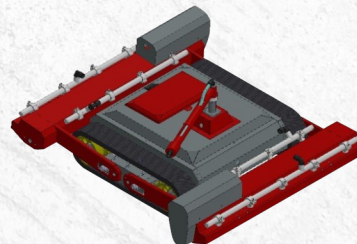
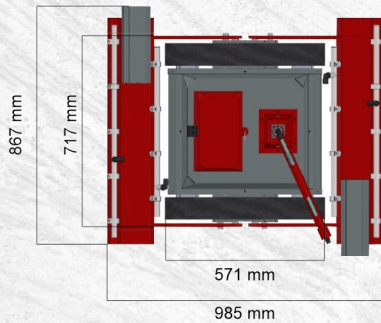
TECHNICAL SPECIFICATIONS

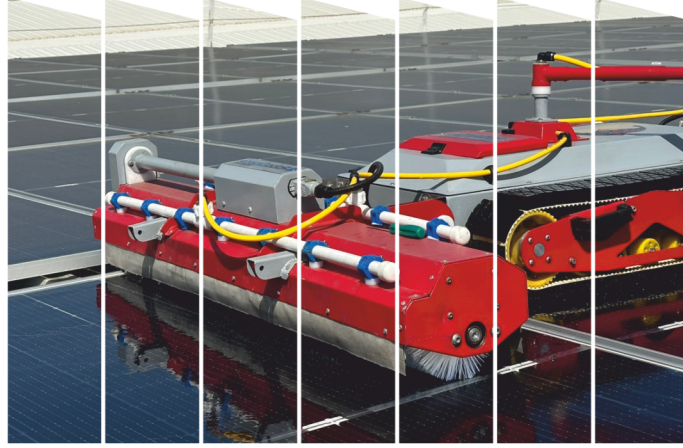
	ROBOSPACE-PLT120	ROBOSPACE-PLT90	ROBOSPACE-PLT75
Cleaning Area	1800 m ² / clock	1350 m ² / clock	1200 m ² / clock
Robot Dimensions	1560 mm x 1321 mm	985 mm x 852 mm	985 mm x 852 mm
Weight	64 Kg	47 Kg	45 Kg
Robot Speed (Max.)	27 m/dk	27 m/dk	27 m/dk
Work Slope	0° - 25°	0° - 25°	0° - 25°
Operating Temperature	(-10°C) - (60°C)	(-10°C) - (60°C)	(-10°C) - (60°C)
Security	Ultrasonic Distance Sensors	Ultrasonic Distance Sensors	Ultrasonic Distance Sensors
Drop Scraper	Optional	Optional	Optional
Applied Pressure	2990 Pa	2680 Pa	2680 Pa
Transition Between Panels	50 cm	25 cm	25 cm
Brush Length	120 cm	90 cm	75 cm
Brush Type	Imported Solar Panel Brush	Imported Solar Panel Brush	Imported Solar Panel Brush
Number of Brushes	2	2	2
Brush Life	1.000.000 m ²	1.000.000 m ²	1.000.000 m ²
Water Supply Hose	12 mm	12 mm	12 mm
Water Consumption (Lime-free)	500 L/clock	375 L/clock	325 L/saat
Cleaning Method	Sulu Cleaning	Sulu Cleaning	Sulu Cleaning
Control	Wifi - Smartphone	Wifi - Smartphone	Wifi - Smartphone
Power Supply	Lithium Battery	Lithium Battery	Lithium Battery
Number of Batteries	3 Pcs + Charging Unit	2 Pcs + Charging Unit	2 Pcs + Charging Unit
Single Battery Runtime	3 Hours	4 Hours	4 Hours
charging time	2 Hours	2 Hours	2 Hours

ROBOSPACE-PLT120



ROBOSPACE-PLT90 & ROBOSPACE-PLT75





ACCESSORIES SUPPLIED WITH THE ROBOT



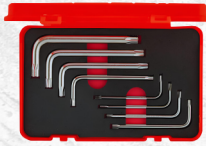
Remote control remote control



1 Primary and 2 Spare Battery (with charging unit)



2 Fedora Hats, 2 Phosphorescent Vests



1 Set of Hand Tools

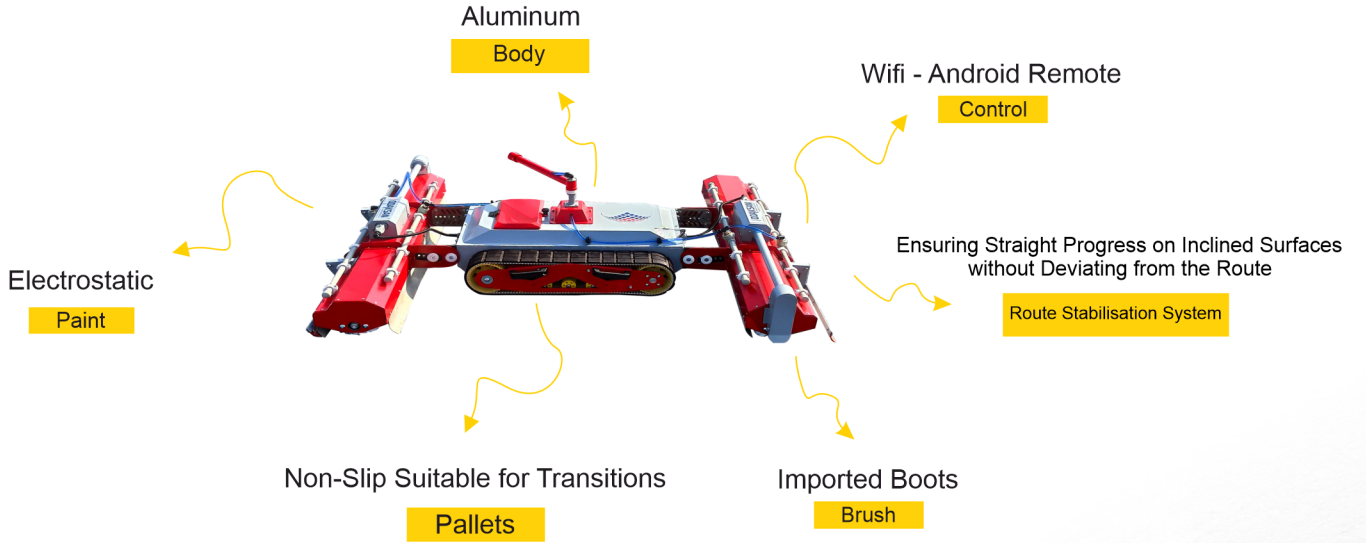


1 Piece Top Covering Tarpaulin



1 Piece Robot Stand





EASY-TO-USE REMOTE CONTROL

! Robospace, with specially designed pallets to prevent possible crack formation in the panelsequipped and thus provides superior performance.

IMPORTANT NOTES TO OUR CUSTOMERS

- ➔ Our sales are provided on contract.
- ➔ If you wish, you can add / subtract brush, battery and sensor products.
- ➔ Our products except brushes and pallets (unless there is a manufacturing defect) 2 year warranty.
- ➔ To prevent damage to your panels and to achieve an efficient cleaning resultWe recommend the use of osmosis or distilled water.

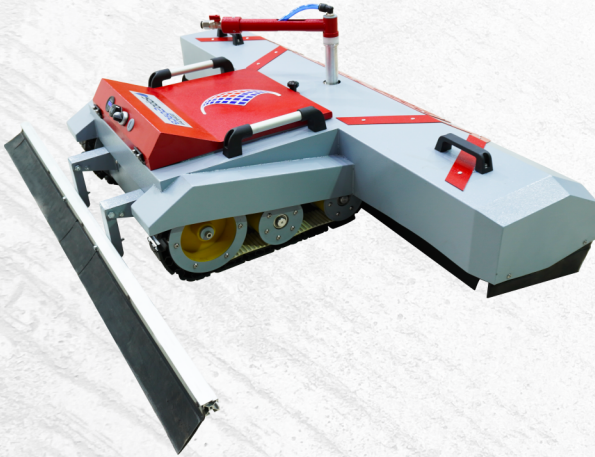
TECHNICAL SPECIFICATIONS

ROBOSPACE ECO120

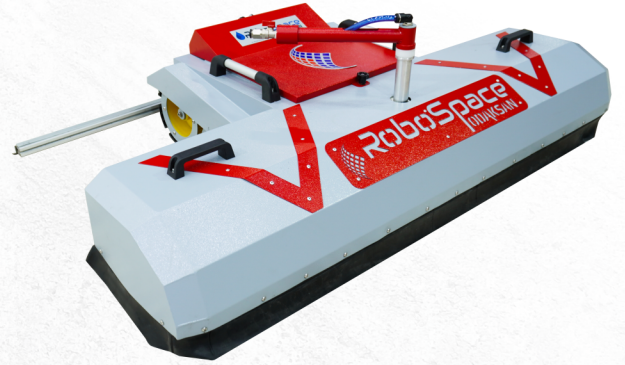
Cleaning Area	1440m ² / Clock
Robot Dimensions	1389x865x590
Weight	47 Kg
Robot Speed (Max.)	30 m/dk
Work Slope	0° - 25°
Operating Temperature	(-10°C) - (60°C)
Security	Optional
Drop Scraper	single scraper
Applied Pressure	2850 Pa
Transition Between Panels	25 cm
Brush Length	120 cm
Brush Type	Imported Solar Panel Brush
Number of Brushes	1
Brush Life	1.000.000 m ²
Water Supply Hose	12 mm
Water Consumption (Lime-free)	550 L/Clock
Cleaning Method	Sulu Cleaning
Control	Remote Control
Power Supply	Lithium Battery
Number of Batteries	2 quantity + Charging Unit
Single Battery Runtime	5 Clock
Charging Time	2 Clock

ROBOSPACE ECO80

Cleaning Area	1100 m ² /Clock
Robot Dimensions	989x865x590
Weight	43 Kg
Robot Speed (Max.)	30 m/dk
Work Slope	0° - 25°
Operating Temperature	(-10°C) - (60°C)
Security	Optional
Drop Scraper	single scraper
Applied Pressure	2800 Pa
Transition Between Panels	25 cm
Brush Length	80 cm
Brush Type	Imported Solar Panel Brush
Number of Brushes	1
Brush Life	1.000.000 m ²
Water Supply Hose	12 mm
Water Consumption (Lime-free)	550 L/Clock
Cleaning Method	Sulu Cleaning
Control	Remote Control
Power Supply	Lithium Battery
Number of Batteries	2 quantity + Charging Unit
Single Battery Runtime	5 Clock
Charging Time	2 Clock



Crawler
120 cm Single Brush
Remote Controlled
Solar Panel Washing Robot



Crawler
80 cm Single Brush
Remote Controlled
Solar Panel Washing Robot



LIGHT UP THE FUTURE WITH TYS ENERGY

As TYS Energy, we provide you with a clean and clean energy system by installing solar power plants and providing consultancy services. access to a sustainable energy source.

Solar power plants are environmentally friendly and renewable energy production systems that work by converting sunlight into electrical energy. They can be used in both residences and businesses and provide significant savings on your electricity bills.

GES contributes to a greener world by utilizing solar energy, significantly reducing the carbon footprint. is one of the most effective ways to be found.

As TYS Energy, we support you in all stages of the installation and operation of solar power plants.

SOLAR POWER PLANT INSTALLATION

- Solar power plant design and installation according to your needs and budget
- Use of quality and reliable equipment
- Fast and smooth installation with our experienced and expert team

SOLAR ENERGY CONSULTANCY

- Consultancy services on all issues related to solar energy
- Calculation of investment costs and feasibility studies
- Providing information about government incentives and grants
- Recommendations on the operation and maintenance of solar energy systems



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"In the light of the sun, the energy of tomorrow"





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