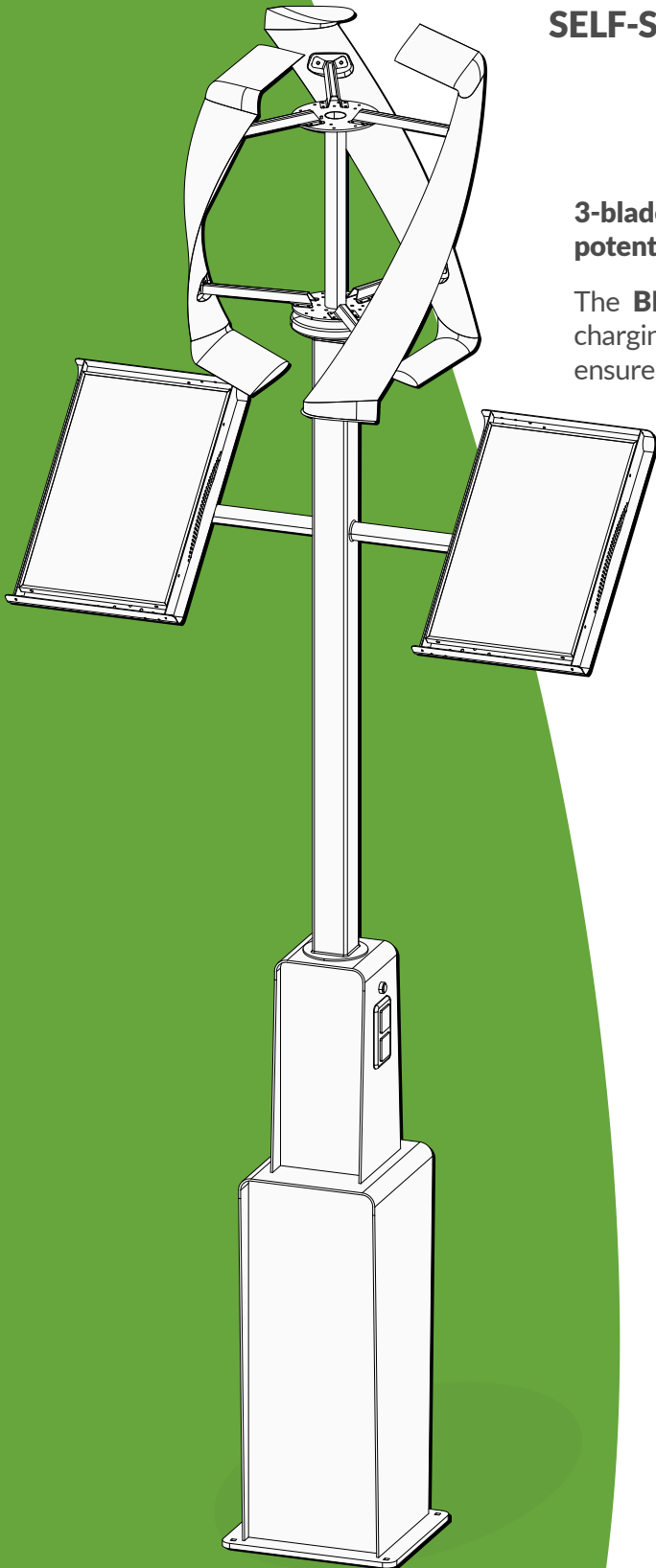


BICICHARGERsun+wind

SELF-SUFFICIENT BICYCLE CHARGING STATION



3-blades offer better value for money and greater efficiency potential at higher speeds.

The **BICICHARGER Solar+Wind** is a fully autonomous hybrid charging station that combines solar and wind energy generation to ensure maximum energy availability in any environment.

3-blade version will provide less take-off torque and may delay the cut-in speed to 3–4 m/s. However, it allows for higher rotational speeds and better performance in moderate to strong winds. The 3-blade version offers advantages in terms of cost, rotor weight, and ease of manufacture and assembly.

Equipped with high-efficiency photovoltaic panels and an integrated compact wind turbine, this system captures both sunlight and wind to generate and store clean energy in its advanced battery system.

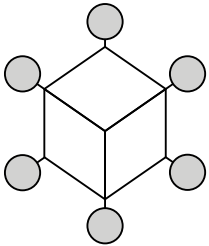
Completely off-grid, it requires no external power supply, making it ideal for charging bicycles, e-scooters, and other micromobility devices even in low-solar or variable weather conditions.

Reliability and energy management are key:

The hybrid generation approach increases reliability and energy yield, positioning the **BICICHARGER Solar+Wind** as a cutting-edge solution for sustainable urban and remote mobility infrastructure.

For enhanced user experience and remote management, the system can be optionally paired with a communication system enabling real-time monitoring, performance optimization, and system control.

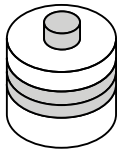
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OPTIONAL CONNECTIVITY

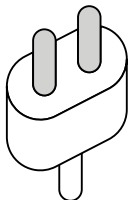
MONITOR REAL-TIME DATA

Ask for more information.



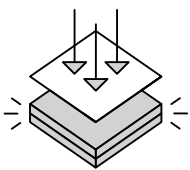
POWER SYSTEM

SOLAR PANEL	WIND TURBINE	USAGE LIMITER	CHARGING TIME
2 × 40W Monocrystalline Photovoltaic Panel	100W nominal, 250W max output 3 blades	Pre-configured current limitation for controlled energy consumption	Default setup limited to 1 hour per session (via start switch)



CHARGING INTERFACES

AC OUTLETS	USB PORTS	OUTPUT PER SOCKET
2 × Schuko 230V Sockets	2 × USB-A + 2 × USB-C Ports	Up to 600W - 700W



DURABILITY

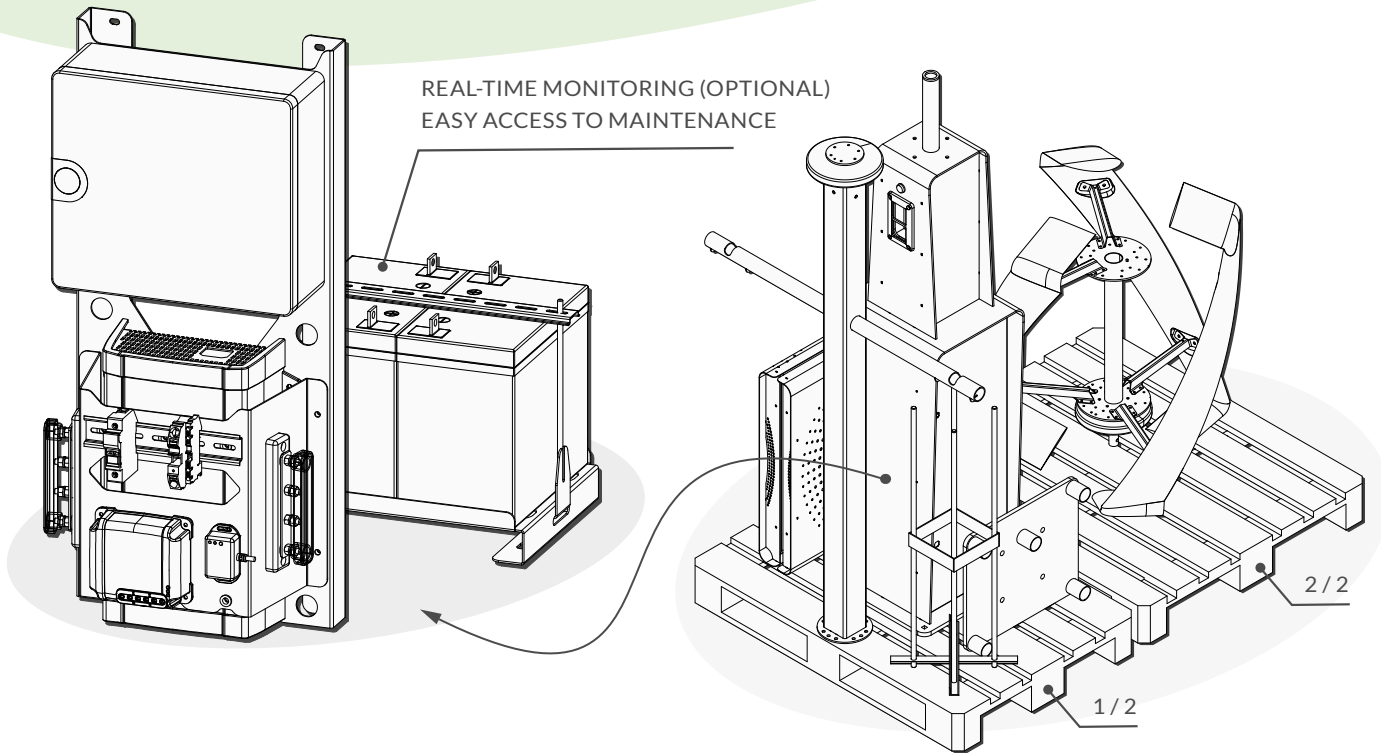
SOCKET SPECIFICATIONS	PROTECTION RATING	MAINTENANCE
K10 Impact Resistance P55 Weatherproof Rating	IP65	Preventive inspection of mechanical connections and components



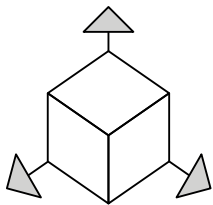
SAFETY

ELECTRICAL EARTH FAULT PROTECTION	POWER OUTLET	WIND TURBINE / GENERATOR
Automatic detection and reset system	Shuttered system (Protected Contact Holes)	Cut-in speed - 3 to 4 m/s Cut-off speed - 19 m/s Survival speed* - 40 m/s (locking activated*)

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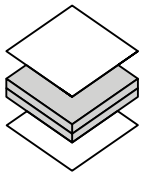


FEATURES



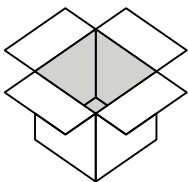
DIMENSIONS	WEIGHT	COLORS	INSTALLATION
1680x732x4300mm	350Kg	Several RAL colors	In - ground foundation Cast - in fixing kit Anchor cage for foundation

PRODUCTION



MATERIAL	PROTECTION	COATING
Carbon steel	Zinc thermal spray galvanizing	Electrostatic powder coating

ORDERS



REFERENCE	SHIPPING DIMENSIONS	SHIPPING WEIGHT
SS04_3	1/2 Pallet 1200x800x2200mm	350Kg
	2/2 Pallet 1200x1000x1000mm	50Kg