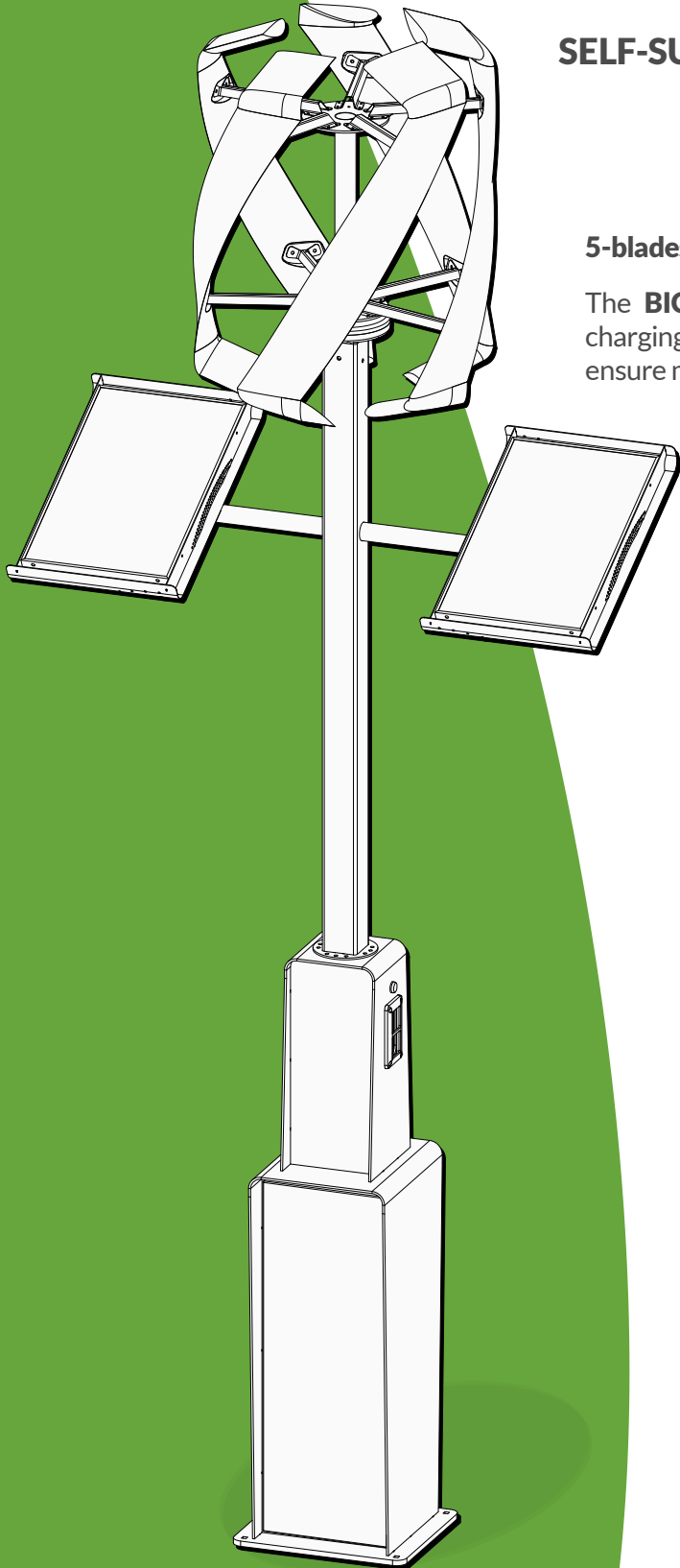


BICICHARGERsun+wind

SELF-SUFFICIENT BICYCLE CHARGING STATION



5-blades enhance aerodynamic stability and acceleration.

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.

5-blade version is designed to optimise self-starting, low-RPM operation, high torque, low noise and low vibration. It is best suited to areas with light or turbulent winds, prioritising reliability, quiet operation and effective power generation in challenging locations.

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.

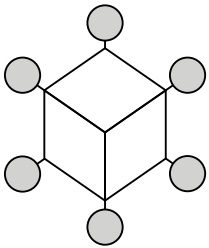
Completely off-grid, it requires no external power supply, making it ideal for charging bicycles, e-scooters, and other micromobility devices even in low-solar or variable weather conditions.

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.

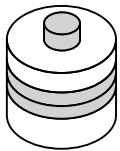
BICICHARGERsun+wind



OPTIONAL CONNECTIVITY

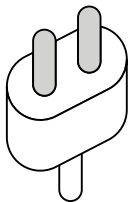
MONITOR REAL-TIME DATA

Ask for more information.



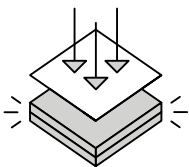
POWER SYSTEM

SOLAR PANEL	WIND TURBINE	USAGE LIMITER	CHARGING TIME
2 × 40W Monocrystalline Photovoltaic Panel	100W nominal, 250W max output 5 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

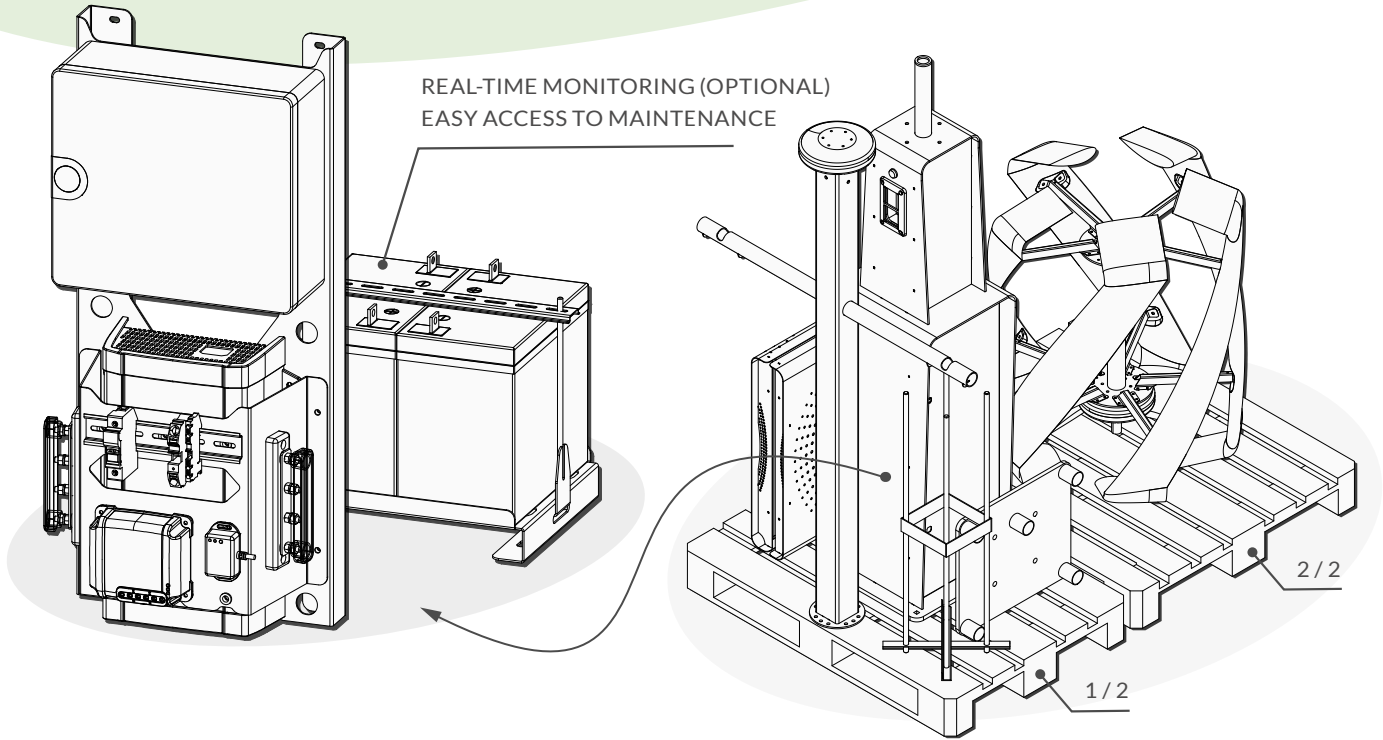
SOCKET SPECIFICATIONS	PROTECTION RATING	MAINTENANCE
K10 Impact Resistance P55 Weatherproof Rating	IP65	Preventive inspection of mechanical connections and components



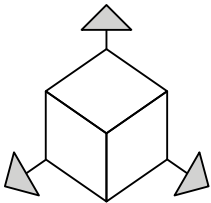
SAFETY

ELECTRICAL EARTH FAULT PROTECTION	POWER OUTLET	WIND TURBINE / GENERATOR
Automatic detection and reset system	Shuttered system (Protected Contact Holes)	Cut-in speed - 2 m/s Cut-off speed - 19 m/s Survival speed* - 40 m/s (locking activated*)

BICICHARGERsun+wind

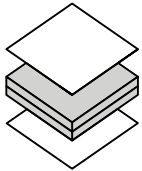


FEATURES



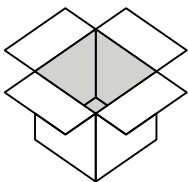
DIMENSIONS	WEIGHT	COLORS	INSTALLATION
1680x732x4300mm	350Kg	Several RAL colors	In - ground foundation Cast - in fixing kit Anchor cage for foundation

PRODUCTION



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

ORDERS



REFERENCE	SHIPPING DIMENSIONS	SHIPPING WEIGHT
SS04_5	1/2 Pallet 1200x800x2200mm	350Kg
	2/2 Pallet 1200x1000x1000mm	50Kg