



TM-850

Technical data sheet

TURF
MOWER
GPS-RTK



THE BENEFITS



Sustainable savings, maximum productivity

Our robust mowers maximise their energy performance by consuming only what is strictly necessary to charge them. A reliable and profitable solution to save time, costs, and labour.



Maintain your green spaces in harmony with nature

Our mowers guarantee a 90% reduction in your carbon footprint, optimum mulching that eliminates residue, and the advantages of wireless operation thanks to Wisenav® technology.



Continuous performance for perfect results

Give yourself a high-performance 24/7 mowing solution, for quality mowing and an attractive lawn irrespective of the weather: guaranteed to save costs and labour.



Sustainable materials and advanced technology

Our mowers are designed to last and are made from durable materials, with a robust aluminium chassis and powered by a rechargeable battery, for reliable long-term performance.



Healthy grass












Continuous mowing ensures efficient mulching and natural fertilising. With our floating heads that adapt to the terrain, you will obtain a precise cut, with no risk of overgrowth.



Ultra-clear sports pitches

With a cutting width of up to 42 cm, our mower is ideal for your sports pitches. Manage your fleet easily and apply settings and updates remotely for simpler, more efficient operation.

BM-850 / BIGMOW GPS-RTK

<h2>On-board technology</h2> <p>Smartbox with ultra-powerful processors enabling evolution over several years.</p>		 Remote software update
		 Corrosion-resistant charging contacts
<h2>Safety and performance</h2> <div>Waterproof cover</div> <div>STOP button</div> <div>Electronic contact bumper</div> <div>2 Sonar Units</div>		 Mows a pitch in 12 hours
		 Aluminium chassis
		 Silent
Mowing capacity up to 30,000 m²		 All-weather tyres
Estimated electricity cost €150/year ⚡⚡⚡⚡⚡		 Easy maintenance

Capacity

Maximum 24/7 working area (m ²).....	30,000
Recommended 24/7 working area (m ²).....	22,000
Number of sports pitches per robot.....	1-2
Mowing / picking width (mm).....	420
Speed (km/h).....	3.6
Standard maximum slope.....	30%

Cutting

Number of mowing heads.....	2
Number of blades.....	6
Lowest cut (mm).....	20
Highest cut (mm).....	70
Cutting height setting.....	Electronic
Maximum noise (dB).....	52 at 1 m

Battery

Battery type.....	LiFePO4
Standard Battery capacity (Ah).....	8.55
Battery voltage (V).....	25.6
Average charging time (min).....	55
Average mowing duration per charge.....	120
Average yearly consumption (kWh).....	400

Weight and dimensions

Weight (kg).....	25
Dimensions length x width x height (cm).....	87x70x32

Software and Monitoring









PIN code security.....	yes
GPS localisation.....	Standard
Robot management server and app.....	Standard

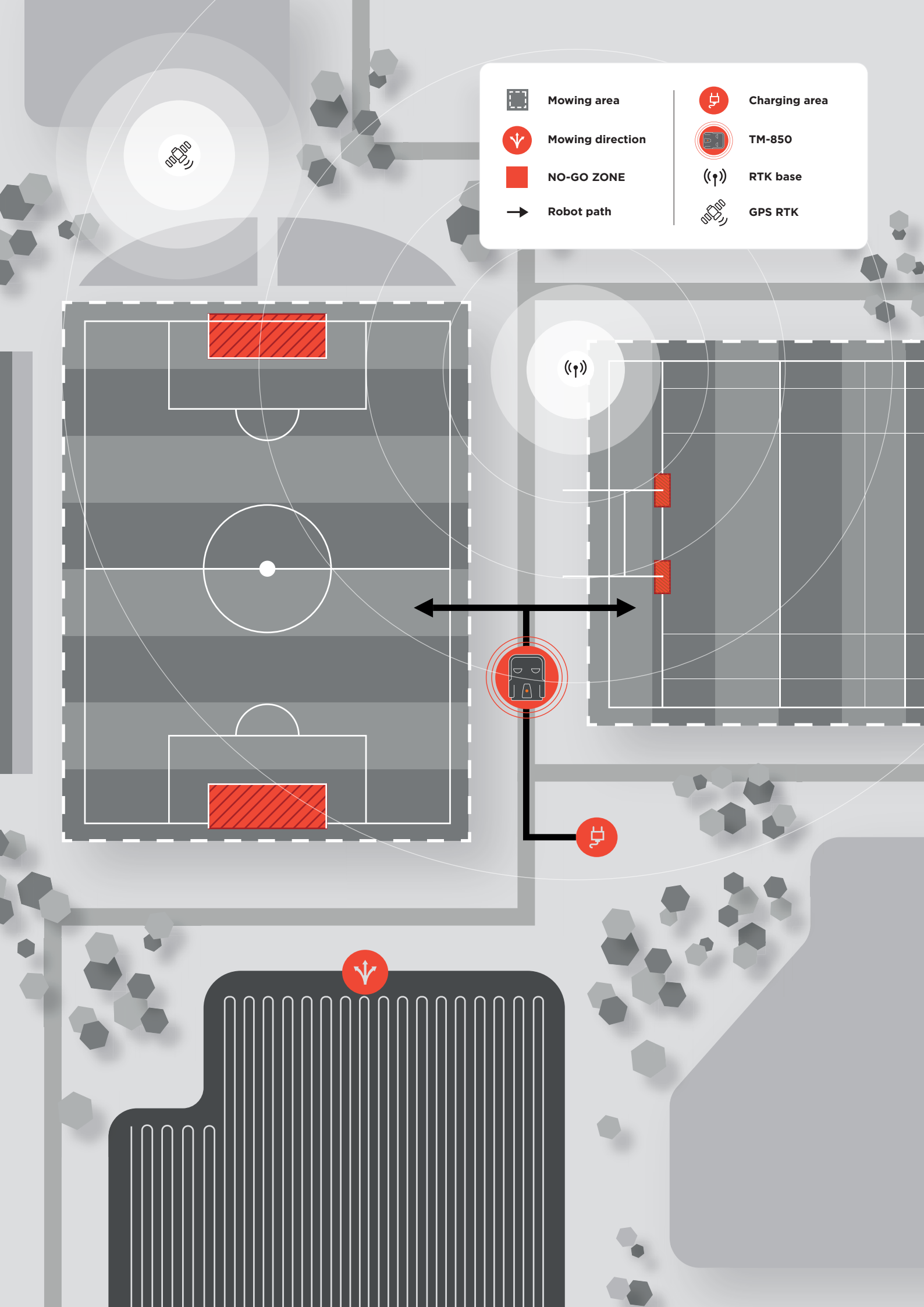
Smart features

Sonar for obstacle detection.....	2
Custom mowing cycles.....	Standard
Back to station via GPS.....	yes
Multiple Starting Zones.....	yes
Multi-terrain.....	yes
Multi-robot.....	yes

Safety

Lift sensors.....	yes
Collision sensors.....	yes
Tilt sensors.....	yes

	Mowing area		Charging area
	Mowing direction		TM-850
	NO-GO ZONE		RTK base
	Robot path		GPS RTK

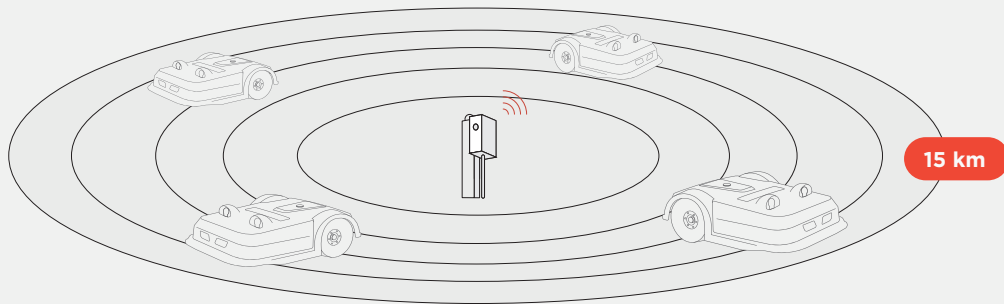


Technology **WISENAV**[®]

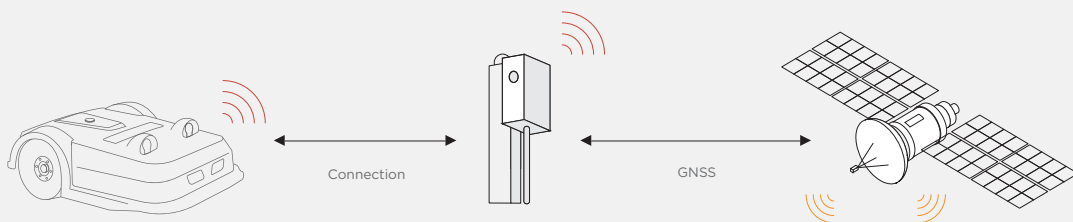


Autonomous mowing **without a boundary wire**

With **Wisenav**[®], **GPS-RTK** mowers from **ECHO robotics** operate without a boundary wire, using a **4G** connection and a **single RTK station** covering a **15-km** radius.



GPS-RTK operation



Precision to within a centimetre
thanks to GPS-RTK.



Ultra-efficient
up to **3x** more mowing capacity.



100% flexible
mowing and no-go areas
defined virtually.



Simple & intuitive
remote management in a few clicks

Revolutionise the maintenance of **your sports pitches**.



Dealer:



Hong Kong | Singapore | Malaysia | Australia

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