

MODEL	TM-2050 TURFMOWER GPS-RTK	TM-1050 TURFMOWER GPS-RTK	TM-850S TURFMOWER GPS-RTK	RP-1250 RANGEPICKER GPS-RTK
CAPACITY				
Maximum working area (m²)	75,000	45,000	30,000	45,000
Recommended working area (m²)	55,000	35,000	22,000	30,000
# sports pitches / robot	1-5	1-3	1-2	-
Mowing / picking width (mm)	1,033	633	420	956
Speed (km/h)	3.6	2.8	3.6	3.6
Standard maximum slope	30%	35%	30%	30%
Maximum slope with option (Kit)	45%	-	-	-
Ball collection capacity/24 h	-	-	-	15,000
Basket capacity	-	-	-	320 - 350 balls
CUTTING / PICKING				
# Mowing Heads	5	3	2	-
# Blades	15	9	6	-
Lowest cut (mm) minimum	20	20	20	-
Highest cut (mm) maximum	100	100	70	-
Cutting height setting	Electronic	Electronic	Electronic	-
Max Noise (dB)	52 at 1 m	52 at 1 m	52 at 1 m	61 at 1 m, 52 at 5 m
BATTERY				
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Standard Battery capacity (Ah)	19.2	19.2	8.55	19.2
Battery voltage (V)	26.4	26.4	25.6	25.6
Average charging time (min)	80	80	55	80
Average mowing duration per charging cycle	110	280	120	240
Optional more powerful batteries (Ah)	-	-	-	-
Average yearly consumption (kWh)	830	580	400	620
WEIGHT AND DIMENSIONS				
Weight (kg)	71.9	52.9	25	85
Dimensions ((L)ength × (W)idth × (H)eight) cm	111x127x51	100x104x46	87x70x32	118x134x54
SOFTWARE AND MONITORING				
PIN Code security	Yes	Yes	Yes	Yes
GPS Localization	Standard	Standard	Standard	Standard
Server and App for robot management	Standard	Standard	Standard	Standard
SMART FEATURES				
Sonar for obstacle detection	5 Sonar units Detection of obstacles of diameter 7 cm x 40 cm height	5 Sonar units Detection of obstacles of diameter 7 cm x 30 cm height	2 sonar units Detection of obstacles of diameter 7 cm diam. x 40 cm height	4
Custom mowing cycle	Standard	Standard	Standard	-
Back to station via GPS	Yes	Yes	Yes	Yes
Multiple Starting Zones	Yes	Yes	Yes	Yes
Multi-terrain	Option	Option	Yes	Yes, more than 2
Multirobot	Yes	Yes	Yes	Yes
SECURITY				
Lift sensors	Yes	Yes	Yes	No
Collision sensors	Yes	Yes	Yes	Yes
Tilt sensors	Yes	Yes	Yes	Yes
Safety bumper	Electronic	Electronic	-	Electronic
Deflectors on cutting head	External heads	-	-	-

EE-062-30021 - EN/202406

ECHO Robotics Web interface & App



A customized subscription formula*

- We offer 4 types of packages and prices depending on your needs and the type of robot.
- Decide which formula suits you best by consulting the table or contact your dealer/supplier for more information.

Features	 Offline	 Basic	 Premium RTK Wifi	 Premium RTK 4G
	We guarantee software updates during technical maintenance operations.	The most complete package on the market for users wishing to take full advantage of remote control of their connected robot.	The subscription for users of GPS-RTK robots who want control of their operations to be at their fingertips.	The most comprehensive subscription for users of GPS-RTK 4G robots, including data subscription and robot management via a single 4G terminal with a 15-km radius.
Software updates	✓	✓	✓	✓
Performance monitoring (history&cycles)	✓	✓	✓	✓
Remote user controls	-	✓	✓	✓
Remote configuration of the robot (read/write parameters)	-	✓	✓	✓
Alarm and notification management (updates, subscription renewals, etc.)	-	✓	✓	✓
Status in real time + position on demand	-	✓	✓	✓
Interactive map: tracking the trajectory by cycles	-	✓	✓	✓
Fleet management dashboard	-	✓	✓	✓
Maintenance logbook	-	✓	✓	✓
Mowing configuration and settings by GPS Pattern	-	-	✓	✓
Remote configuration of zones by GPS	-	-	✓	✓
No-go zones for obstacles based on GPS	-	-	✓	✓
Wisnav®	-	-	✓	✓
4G GPS-RTK Base station within a 15-km radius	-	-		✓

* Subscription prices available on our website.



NAVIGATE WITH **PRECISION**: DISCOVER GPS-RTK'S **CUTTING-EDGE TECHNOLOGY**

TM-850S | TM-1050 | TM-2050
TurfMower GPS-RTK

RP-1250
RangePicker GPS-RTK



www.echorobotics.com

Working with: **WISENAV**

Made in Belgium

TM-850S

TurfMower GPS-RTK

 **Mowing capacity**
up to 30 000 m²

TM-850S GPS-RTK
EE-060-00041



TM-1050

TurfMower GPS-RTK

 **Mowing capacity**
up to 45 000 m²

TM-1050 GPS-RTK
EE-060-00026



TM-2050

TurfMower GPS-RTK

 **Mowing capacity**
up to 75 000 m²

TM-2050 GPS-RTK
EE-060-00025



The GPS-RTK process

2-3 cm accuracy.

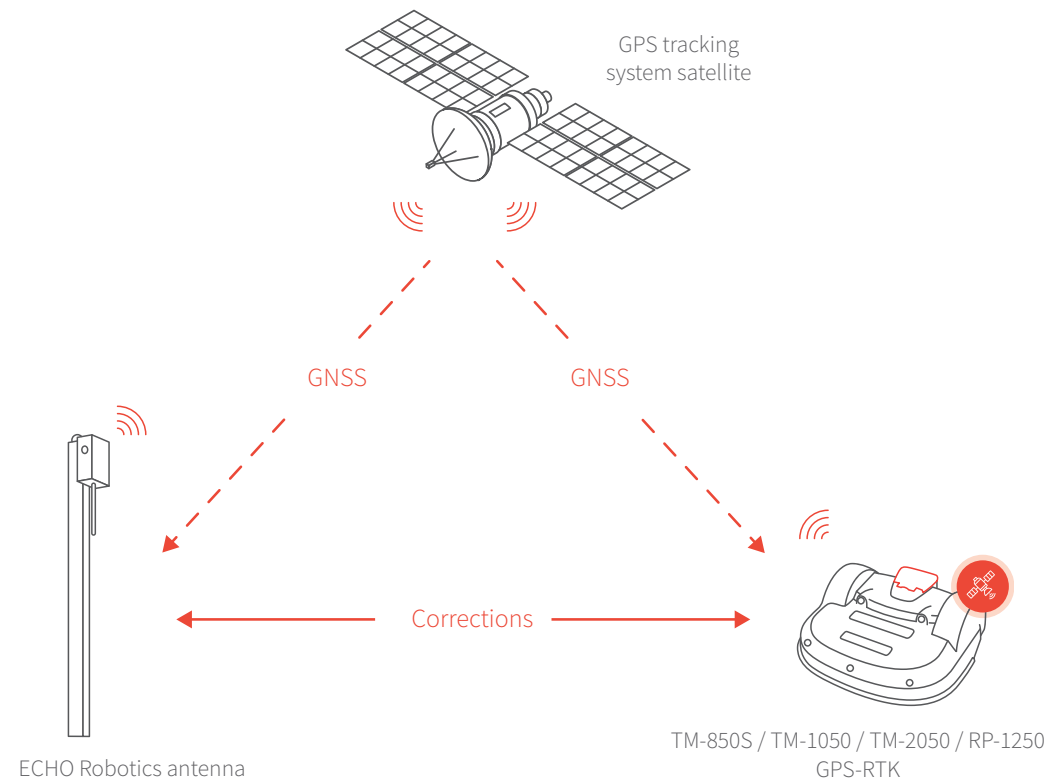
With the real-time Kinematic installation, the robot navigates with a 2-3 cm level precision, enabling it to mow in pattern with a minimal overlap.

For the robot to operate in GPS-RTK navigation mode, it must be in an open interference-free area for satellite signals. This means few trees and buildings on the work area.

In addition to the equipment needed for a connected line unit, the following equipment is required to benefit from these innovative features.

- A robot
- A docking station
- GPS-RTK base with Wi-Fi
- GPS-RTK license

WISENAV®



RP-1250

RangePicker GPS-RTK

RP-1250 GPS-RTK
EE-060-00028

 **Efficiency**
15.000 balls / day

 **Operating Area**
up to 45 000 m²



The new GPS-RTK range can also

EQUIPPED WITH THE LATEST NAVIGATION TECHNOLOGY AVAILABLE, OUR ROBOTS CAN NOW NAVIGATE IN PATTERN MODE.

All the advantages of our connected robots in addition to some new features with the robots equipped with a GPS-RTK system.

- **Mow in a pattern mode**, say goodbye to random lines, your field can now be mowed in straight lines.
- **Triple the mowing capacity**: the robot's performance has been enhanced as a result of its new, state-of-the-art technology. It takes less time to mow a sports field, making the pitch longer available to players. A single machine can now handle a bigger area.
- **Enhance its ball collecting capacity**: with the pattern mode, the RP-1250 (RangePicker GPS-RTK) is now able to collect more balls and navigate to the drop pit in a much faster mode.
- **Protecting golf balls**: thanks to the adapted cutting heads, mowing poses no risk to golf balls, which are protected from the blades.
- **Work without perimeter wire in the ground (Wisenav)**: flexible installation that can't get damaged.