

FJD RM21

Robotic Lawn Mower

Exceptional mowing precision

RM21 uses centimeter-level positioning (RTK + LiDAR).

Automatic mowing on complex terrain

Automatically detects terrain, obstacles, and trees, ensuring safe mowing even on complex surfaces.

Smart path planning and multi-zone management

Enables automatic optimal path planning and simultaneous multi-area control with one click.

Advanced safety and protection

Equipped with 360° obstacle detection, collision and lift sensors, and rain protection.

Reliable performance and automatic charging

Automatically returns to the charging station when the battery is low and continues working afterward. Handles slopes up to 20°, enabling smooth operation on uneven terrain.

Full control via mobile app

Allows management and monitoring through a mobile application.



Dimensions (W × D × H) 853 × 1330 × 980 mm

Weight 170 kg

Max Mowing Area per Charge 13.000 m²

Charging Time* 300 min

Battery Performance 300 min

Battery Capacity 4 kWh

Cutting Height 30–127 mm

Speed 0–6 km/h

Max Climbing Ability ≤ 20°

* All battery claims depend on various factors and operating conditions; actual results may vary. The battery has a limited number of charging cycles and may eventually need to be replaced. The lifespan of the battery and the number of charges depend on usage and settings.