



SPECS & FEATURES



AMP-L100

AUTONOMOUS ELECTRIC FAIRWAY MOWER

**The best fairway mower
on the market. Period.**

SUMMER 2026

Built for the way great courses run.



100"

CUTTING WIDTH

20-25 acres

PER CHARGE

4.8 acres/hour

AVERAGE PRODUCTIVITY

90%

OF FAIRWAY
MOWING LABOR
REDISTRIBUTED



A cut your members will notice.

Five seven-inch reels, reengineered from the ground up for an electric machine. Height of cut adjusts in 0.005" clicks, reel-to-bedknife in increments finer than a human hair. Dual-antenna RTK GPS holds the machine to a line within centimeters, pass after pass, every single mow.

No fuel. No oil. No hydraulics. No leaks.

There is not a drop of hydraulic fluid anywhere on this machine. Nothing to spill on your fairways, ever. The all-electric drivetrain runs at roughly 55dB from 25 yards, about the level of a quiet conversation, so you can mow before sunrise without waking the neighborhood or violating sound ordinances.



Your crew, doing higher-value work.

The AMP-L100 takes over the most repetitive job on the course. While it mows and drives itself hole to hole, your operator rakes bunkers, trims around heads, samples moisture, and manages the details that actually separate good courses from great ones. Up to 90 percent of fairway mowing labor gets redistributed to work that needs human judgment.



Your vision, executed exactly.



The pattern you design is the pattern you get.

QuickPlan™ puts every decision in your hands: striping angle, pattern direction, 50/50 centerlines, skip row, turn placement, mowing schedule. Slow Zones and Exclusion Zones protect sensitive areas automatically—without operator variability. And QuickPlan gets better with monthly updates that improve efficiency and productivity and add new pattern options.

The only machine that gets better with time.

The AMP-L100 is a connected platform. Over-the-air software updates deliver new capabilities to machines already in the field. In 2025 alone, owners received SmartStart™, Path Linking, Exclusion Zones, Auto Sectioning, and Starlink connectivity as updates, not upgrades.



Built to operate safely around people

A high-precision LiDAR sensor scans continuously, and its detection zones move and scale with the machine's speed and path — long at working speed, tighter as it slows. Dynamic slow zones ahead and to the sides of the machine ensure that the AMP-L100 has almost always eased to 1 mph well before it ever needs to stop. Remote monitoring adds a live camera view with operator alerts and override.



[LEARN MORE](#)

50,000+

FAIRWAYS MOWED AUTONOMOUSLY

100,000+

ACRES MOWED AUTONOMOUSLY

8

TOUR-LEVEL TOURNAMENTS MOWED

No one

HAS MORE AUTONOMOUS-FAIRWAY EXPERIENCE





AMP-L100 Specifications

AUTONOMY

Guidance	Dual antenna RTK-corrected GPS
Object detection	3D LiDAR
User interface	Cloud-based FireLink™ app
Path planning	Unlimited customizable, optimized paths with QuickPlan™ app
Software subscription	Secure cloud data service, RTK connection & coverage, cellular & wireless modem connections, software updates and enhancements, remote Helpdesk support, Starlink option

POWER SYSTEM

Battery	Single Lithium Iron Phosphate (LFP) battery
Battery rating	48 V, 35.3 kWh, 690 Ah
Run time	4.2 to 5.2 hours per charge
Cutting capacity	20 to 25 acres (8 to 10 hectares) per charge 4.8 acres per hour average productivity
Battery lifespan	5,000 cycles until charge reduced to 80% capacity (100,000 acres)
Charge time	2.5 hrs (option 14 kW 240V/460V), 6 hrs (option 6.9 kW 240V), or 11 hrs (standard 3.3 kW 240V)
Maximum ground speeds	Mowing 6 mph (9.7 km/h), Reverse 2 mph (3.2 km/h), Transport 9 mph (14.5 km/h)

TRACTION & STEERING

Traction drive and steering	Synchronized quad motor 4WD with two independent steering motors
Reel drive	One brushless DC direct drive motor per reel

WARRANTY

Machine	2 years
Battery	5 years

CUTTING UNITS

Cutting width	100" (2.54 m)
Cutting reels	5 x 7" (177.8 mm) diameter x 22" (55.88 cm) wide with front rollers
Reel options	7, 8, 11, or 14-blade fairway reels; optional rear powered brushes and scrapers
Blade material	High carbon, high boron, and high manganese alloy steel
Height of cut	0.25 to 1.5" (6.35 to 38.1 mm), detented hand knobs in 0.005" (0.1525 mm) increments
Reel-to-bedknife adjustment	Detented hand knobs in 0.00065" (0.0165 mm) increments
Ground clearance	7 to 8" (17.78 to 20.32 cm) depending on height of cut
Electric cutting unit lift	Keypad controlled, 3 positions (Mow/Down, Short Lift, Full Lift)

WEIGHT & DIMENSIONS

Total weight	3,350 lbs (1,519.5 kg) with 4WD, battery pack, 5 reels
Overall height	54" (1.37 m) including antenna
Working dimensions	Decks and platform down: 114" W x 132" L (2.89 m x 3.35 m)
Transport dimensions	Decks at short lift, platform down: 102" W x 132" L (2.59 m x 3.35 m)
Stowed dimensions	Decks at full lift, platform up: 86" W x 124" L (2.18 m x 3.15 m)
Wheelbase	66" (1.68 m)
Front tires	Titan Soft-Turf (27x12LL-15) / Smooth option: Kenda K404 (26x14.00x12)
Rear tires	Titan Soft-Turf (25x10.50LL-15) / Smooth option: Hoosier (275/50-15)

A TRULY WHITE GLOVE EXPERIENCE

An AMP-L100 comes with the FireFly team behind it—from the first day of deployment through every mow after.

ON-SITE DEPLOYMENT

- Our team sets up your machine on site, side by side with your crew
- We map your entire course and build QuickPlan™ patterns for every hole
- We train your Superuser to modify course setup and mow plans with confidence
- We train your operators to run efficient daily operation on their own

DEDICATED, ATTENTIVE SERVICE

- Remote software monitoring puts your machine's data at our fingertips to diagnose any problem, fast
- A robust inside service team and Helpdesk, on-call when you need them
- A customer success team dedicated to making you successful long after deployment
- Field service techs who come to your course when a machine needs hands-on attention