



Greensmaster® e1021

ELECTRIC WALK GREENSMOWER

FEATURES

Lithium-Ion Technology

- Mow up to 35,000 sq.ft. (over 3000 sq meters) on a single charge
- Highly efficient, extremely quiet with no exhaust emissions, and virtually maintenance-free
- Excellent balance for superior tracking and easy maneuvering in turns

Best-in-Class Cutting Performance

- Conversion capability from greens to tee mower
- Proven DPA Cutting Units
- Multiple easy-to-configure clip rate settings
- Choice of cutting units (8, 11 and 14-blade) to accommodate different cutting heights

Ease of Maintenance and Operation

- Flex and Fixed head engine models have identical operator controls as the Lithium Ion models, making a move from one model to the other a breeze
- Rubber-mounted handle to reduce oscillation motion from walking for cutting consistency
- Telescoping loop handle design with combined operational and safety bail
- Operational bail allows slowing down or a complete stop in tight turns without disengaging traction
- Dual ground speed control using variable throttle control and/or variable speed control bail
- Easy access parking brake for greater operator control
- LCD provides ongoing battery charge status along with machine settings, diagnostic capabilities, and standard on-board back-lapping
- Balanced battery management and on-board electronics monitor the mower to automatically optimize battery life.



EdgeSeries™ Reels

Game changing Lithium-Ion innovation.

Extremely quiet and emission-free, the all-electric Toro® Greensmaster® e1021 synchronizes the operator and machine, in an effort to eliminate operator influence on the turf. The e1021 offers a 21" cutting width and is among the quietest and most efficient walk greensmowers on the market today. Harnessing the power of lithium-ion battery technology, the e1021 takes electrical efficiency to a new level, allowing operators to mow up to 35,000 sq. ft. of turf on a single charge. Additionally, a convenient LCD indicates an ongoing battery charge status and also displays useful information such as machine hours, diagnostics, and overall battery health. These units are designed for minimal maintenance and long, productive life saving labor and operational costs.



GREENSMaster e1021, MODEL 04831	
POWER	Lithium-Ion battery pack – nominal 50.4-Volt 26.7 A-Hr (42 – 56 volt, 1.345 kW-hr) with integrated battery management system utilizing CAN communication with the machine controller and charger. Single battery affixed to unit and charged onboard.
ELECTRIC MOTOR	Brushless permanent magnet DC motor with integral motor controller and helical gear reduction.
BATTERY CHARGER	Voltage and current controlled with CAN communication to manage battery health. Complies to max voltage and current limits directed by the battery management system.
FRAME	Fully modular design allows quick disassembly for service/maintenance of all major components.
TRANSMISSION	Permanent Magnet DC motor directly coupled to a fully gear-driven transmission with integral traction differential and traction disconnect to ease movement during service/maintenance operations. Interchangeable drum drive gear cases.
MAINTENANCE	No grease zerks, sealed bearing design reduces daily maintenance.
GROUND SPEED	Mowing speed: 2.0-3.5 mph (3.2-5.6 km/h). Transport speed (maximum): 5.3 mph (8.5 km/h).
TRACTION DRUM	Dual position traction drum with positions for contour following or forward weight bias at higher heights of cut.
BRAKE	Service/parking – band type.
CONTROLS	Start/On/Off (‘ignition’) switch, LCD Information Center (reports multiple parameters including hours, battery life, faults, diagnostics, backlap control, etc.) throttle, dual function traction/safety bail, reel engage lever, service/parking brake lever, optional light switch.
HANDLE	Loop handle with telescoping adjustment of 5" (12.7 cm) total travel, rubber isolated to minimize operator influence during mowing.
TRANSPORT TIRES/KICKSTAND	Quick detachable 3.00/3.25 x 6 pneumatic (optional). Loop style with service position lock.
CUTTING UNIT OPTIONS	8, 11 or 14-blade cutting unit options.
CUTTING UNIT ATTACHMENT	Detachable cutting unit allows easy removal for service / maintenance or cutting unit exchange for different applications.
WIDTH OF CUT	21" (53.3 cm)
HEIGHT OF CUT RANGE	For Greens: (Drum Position One) 0.062" to 0.312" (1.5 mm to 8 mm) For Tees: (Drum Position Two) 0.25" to 0.625" (6 mm to 16 mm) High Height of Cut Kit: (Drum Position Two) 1.18" (30 mm)
CUTTING UNIT DRIVE	Quick-change dual speed gear drive combined with positive drive belt for (4) possible reel speed/clip settings.
FRONT ROLLER	Front Roller: Optional – must be ordered.
WEIGHT	240 lbs. (109 kg) with 11-blade cu and aluminum wiehle roller.
CERTIFICATION /WARRANTY	Designed in accordance to ANSI/CE/WEEE/ROHS/C-TICK. Four-year warranty on Lithium-Ion Battery. Refer to the Operator’s Manual for further details.

GREENSMaster e1021 ACCESSORIES

CUTTING UNITS & REEL OPTIONS	
04832	8-Blade DPA EdgeSeries™ Cutting Unit
04833	11-Blade DPA EdgeSeries™ Cutting Unit
04834	14-Blade DPA EdgeSeries™ Cutting Unit

GROOMER OPTIONS	
04707	Universal Groomer Drive
04270	Grooming Brush – Soft
04271	Grooming Brush – Stiff
04802	Twin Tip Groomer Blade Assembly

BEDKNIFE OPTIONS	
115-1880	EdgeMax™ Microcut (standard)
108-4303	Extended Microcut
108-4302	Extended Tournament
115-1881	EdgeMax™ Tournament
139-4320	EdgeMax™ Short Microcut
139-4321	EdgeMax™ Short Tournament
137-0879	EdgeMax™ Fairway Bedknife
63-8610	Fairway
93-4262	Microcut
93-4263	Tournament
93-4264	Low Cut
94-6392	High Cut

TRACTION UNIT ACCESSORIES	
04135	LED Light Kit
04138	Cutting Unit Light Kit Mount
04136	Push Broom Kit
139-4342	Backlap Access Kit
04800	Backlap Kit
139-4369	Wireless Hour Meter Kit
99-4286	High Height of Cut Kit
04123	Wheel Kit

ROLLER OPTIONS	
04805	Interlaced Narrow Wiehle Roller
04815	Full Front Roller
04141	Extended Narrow Wiehle Roller
04267	Paspalum Wiehle Roller
04249	Split Front Roller – Full
04250	Split Narrow Wiehle Roller
04825	Wide Wiehle Roller
115-7361	Auxiliary Roller Extension Kit
140-3363	Interlaced Narrow Wiehle Roller – Heavy

SCRAPER/BRUSH OPTIONS	
139-4383	Interlaced Narrow Wiehle Roller Scraper/Brush
139-4385	Interlaced Narrow Wiehle Roller Scraper
115-7378	Wide Wiehle Roller Scraper/Brush
125-3504	Wide Wiehle Roller Scraper
115-7379	Full Roller Scraper/Brush
125-3505	Full Roller Scraper

TOOLS	
04399	Turf Evaluator
125-5610	Reel Paper – (10 Pack)
125-5611	Reel Shim
131-6828	Angle Indicator
131-6829	Angle Indicator Mount
94-9010	Height of Cut Bar

*Specifications and design subject to change without notice. Products depicted in this literature are for demonstration purposes only. Actual products offered for sale may vary in design, required attachments and safety features. Consult your local Toro Distributor.

