



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 engine 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 with no engine exhaust emissions, 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 a long, productive life, saving on labor and operational costs.





Greensmaster e1021 Specifications*

| 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. Onboard backlapping standard. |
| 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) with optional transport tires |
| 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 |
| 04123 | Wheel Kit |
| 139-4342 | Backlap Access Kit |
| 115-4754 | Wireless Hour Meter |
| 99-4286 | High Height of Cut Kit |
| 04065 | Charger |
| 04070 | Replacement Battery |

| 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 AND MAINTENANCE OPTIONS | |
|-------------------------------|------------------------------|
| 04399 | Turf Evaluator |
| 125-5610 | Paper – Reel |
| 140-5531 | Shim – Reel |
| 94-9010 | Height of Cut Adjustment Bar |
| 131-6828 | Angle Indicator |
| 131-6829 | Mount-Angle Indicator |

*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.

