

**TORO**

# Greensmaster® eFlex™ 1021

## Electric walk greens mower

## GAME-CHANGING LITHIUM-ION INNOVATION.

Extremely quiet with no engine exhaust emissions, the all-electric Toro® Greensmaster® eFlex™ 1021 is built with a patented Flex suspension allowing the cutting unit to easily follow the contours of the green – delivering a superior quality of cut. The eFlex offers a 53.3 cm (21") cutting width and is among the quietest and most efficient walk greens mowers on the market today. Harnessing the power of lithium-ion battery technology, the eFlex 1021 takes electrical efficiency to a new level, allowing operators to mow over 3,250 m<sup>2</sup> (35,000 ft<sup>2</sup>) 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 to save on labour and operational costs.



### EdgeSeries™ reels

Shown with optional equipment



## FEATURES

### Lithium-ion technology

- Mow up to 3,250 m<sup>2</sup> (up to 35,000 ft<sup>2</sup>) on a single charge\*
- Highly efficient, extremely quiet with no engine exhaust emissions, and virtually maintenance-free
- Excellent balance for superior tracking and easy manoeuvring in turns

### Best-in-class cutting performance

- Patented flex suspension technology
- Proven DPA cutting units
- Multiple easy-to-configure clip rate settings
- Tool-free cutting unit removal

### 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
- 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 backlapping
- Balanced battery management and on-board electronics monitor the mower to automatically optimise battery life.

\* Dependent on machine configuration, turf conditions, and battery age.

GREENSMASTER eFLEX 1021, MODEL 04865	
<b>POWER</b>	Lithium-ion battery pack: nominal 51.4 volt, 29.4 A-hr (1.51 kWh) with integrated battery management system, utilising CAN communication with the machine controller and charger. Single battery affixed to unit and charged on board.
<b>ELECTRIC MOTOR</b>	Brushless permanent magnet DC motor with separable motor controller.
<b>BATTERY CHARGER</b>	Voltage and current controlled with CAN communication to manage battery health. Complies to max. voltage and current limits directed by the battery management system. Off-board high efficiency 650 W smart charger. •AC input voltage 100-240 VAC •AC input frequency 50/60 Hz •Max. input current 7.5 A •Max. charge time, empty to full: 4 hr.
<b>FRAME</b>	Fully modular design allows quick disassembly for service/maintenance of all major components.
<b>TRANSMISSION</b>	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.
<b>MAINTENANCE</b>	No grease zerks, sealed bearing design reduces daily maintenance. On-board backlapping standard.
<b>GROUND SPEED</b>	<b>Mowing speed:</b> 2.0-3.5 mph. <b>Transport speed:</b> (maximum): 5.3 mph with optional transport tyres.
<b>TRACTION DRUM</b>	Tapered traction drum for improved after-cut appearance.
<b>BRAKE</b>	Service/parking: band type.
<b>CONTROLS</b>	Start/On/Off ('ignition') switch, LCD information centre (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.
<b>HANDLE</b>	Loop handle with telescoping adjustment of 12.7 cm (5") total travel, rubber isolated to minimise operator influence during mowing.
<b>TRANSPORT TYRES/ KICKSTAND</b>	Quick detachable 3.00/3.25 x 6 pneumatic (optional). Loop style with service position lock.
<b>CUTTING UNIT OPTIONS</b>	11- or 14-blade cutting unit options. Tool-free cutting unit removal for service/maintenance or cutting unit exchange for different applications.
<b>CUTTING UNIT ATTACHMENT</b>	Semi-floating cutting unit separable from drive unit, pivoting around reel centreline (pitch axis) and pivoting around bedknife centreline side to side (roll axis).
<b>WIDTH OF CUT</b>	53.3 cm (21")
<b>HEIGHT-OF-CUT RANGE</b>	<b>For greens:</b> (Spacer position one) 1.5 mm to 6 mm (0.062" to 0.250") <b>For tees:</b> (Spacer position two) 3 mm to 9 mm (0.125" to 0.375") <b>High height-of-cut kit:</b> 9 mm to 25 mm (0.375" to 1.00")
<b>CUTTING UNIT DRIVE</b>	Quick-change dual-speed gear drive combined with positive drive belt for (four) possible reel speed/clip settings.
<b>GRASS BASKET</b>	Moulded polyethylene with integrated graphics highlighting overlap guidelines, vented for high-efficiency collection.
<b>ROLLERS</b>	Front roller: Optional – must be ordered. Rear roller: Aluminium full roller 5.1 cm (2") diameter with sealed bearings.
<b>WEIGHT</b>	132.5 kg with 11-blade cutting unit and aluminium Wiehle roller.
<b>CERTIFICATION/WARRANTY</b>	Designed in accordance with ANSI/CE/WEEE/ROHS/C-TICK. Four-year warranty on lithium-ion battery. Refer to the Operator's Manual for further details.

**GREENSMASTER eFLEX 1021 ACCESSORIES**

CUTTING UNITS AND REEL OPTIONS	
04863	11-blade Flex ES cutting unit
04864	14-blade Flex ES cutting unit

BEDKNIFE OPTIONS	
115-1880	EdgeMax™ microcut bedknife
108-4303	Extended microcut bedknife
108-4302	Extended tournament bedknife
115-1881	EdgeMax tournament bedknife
139-4320	EdgeMax short microcut bedknife
139-4321	EdgeMax short tournament bedknife
137-6092	EdgeMax fairway bedknife
137-6097	Fairway bedknife
93-4262	Microcut bedknife
93-4263	Tournament bedknife
93-4264	Low-cut bedknife
94-6392	High-cut bedknife

FRONT ROLLER OPTIONS	
04027	Narrow Wiehle roller assembly
04825	Wide Wiehle roller assembly
04815	Full roller assembly
04028	Paspalum roller assembly
04029	Extended narrow Wiehle roller assembly
04249	Split full roller assembly
04250	Split narrow Wiehle roller assembly
107-3510	Narrow Wiehle roller assembly – steel
115-7361	Roller extension kit

REAR ROLLER OPTIONS	
115-7383	Rear roller & scraper kit
121-2260	Rear roller scraper kit
140-5560	Full roller (steel)
120-9602	DPA rear roller adjustment kit

GROOMER OPTIONS	
04648	Universal groomer drive
04802	Twin tip groomer blade assembly
04270	Grooming brush – soft
04271	Grooming brush – stiff

FRONT ROLLER SCRAPER OPTIONS	
125-3503	Narrow Wiehle roller scraper kit
115-7377	Narrow Wiehle roller scraper/brush kit
125-3504	Wide Wiehle roller scraper kit
115-7378	Wide Wiehle roller scraper/brush kit
125-3505	Full roller scraper kit
115-7379	Full roller scraper/brush kit

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
139-4369	Wireless hour meter
120-9600	High height-of-cut kit
04066	650 W Charger
04091	900 W Charger

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.

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The Greensmaster eFlex 1021 is manufactured in Tomah, WI ISO 9002 Certified Plant.



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