

# 2023

PRODUCT  
CATALOGUE



Productivity. Powered.  
by **greenworks**  
COMMERCIAL

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COMMERCIAL

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## **MANUFACTURING EXCELLENCE**

**20K+** state-of-the-art batteries per day  
**20** production lines



## **FULLY AUTOMATED**

**30K+** motors per day - brushless,  
universal & induction  
**50** production lines  
**450** employees



## **INTELLIGENT POWER**

**24** SMT machines  
**20+** PCB assembly lines  
**100K+** PCBs per day  
**30K+** chargers per day



# 48" OptimusZ Zero Turn Mowers

**Model No: CZ48R18X**

**18kWh Part No: 7403007AU**

**Model No: CZ48R24X**

**24kWh Part No: 7403107AU**



The GREENWORKS® 82V OptimusZ 18kWh and 24kWh commercial zero turn mowers are the most powerful and advanced riding zero turn mowers on the market.

These ultra high performance mowers are equipped with the most advanced 19K Constant Smart Cutting System™ and patented PowrTraq Smart Drive System™. With the best centre of gravity in the industry, operators can now safely and confidently tackle slopes up to 15° and cut grass at up to 26kph - the fastest in its class.

OptimusZ is the ultimate productivity machine. Engineered for all day commercial use, the built-in battery module with safe LFP cell technology, allows landscapers to mow up to 16 acres and 6 hours runtime for the 18kWh models and a massive 21 acres and 8 hours runtime for the 24kWh models. Quiet operation and high intensity, 360° LED lighting opens the door for earlier starts, longer working hours, more business opportunities and increased profitability.



# 52" OptimusZ Zero Turn Mowers

Model No: CZ52R18X

18kWh Part No: 7401707AU

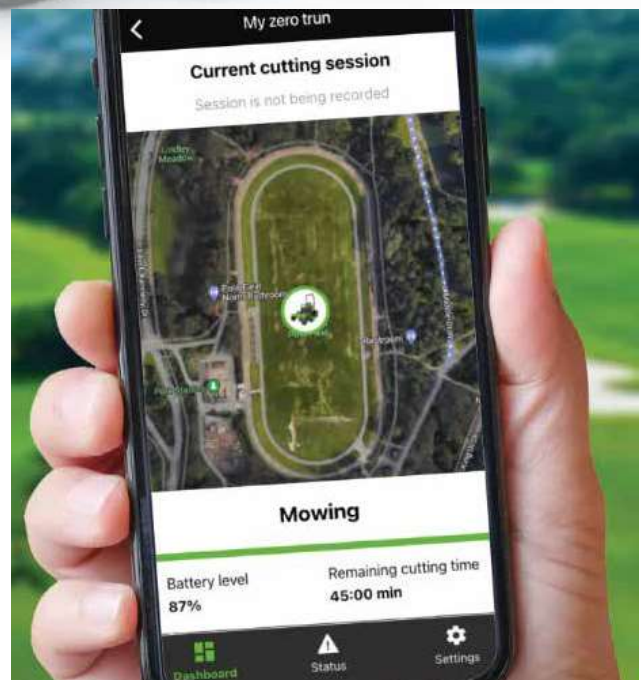
Model No: CZ52R24X

24kWh Part No: 7403207AU



With a constant 19,000FPM blade tip speed, these machines skillfully adjust to various grass conditions to ensure the best cut quality and the high speeds allow users to complete tasks quickly and cut more in less time, while maintaining a premium quality of cut regardless of grass conditions. The intelligent 3-in-1 blade controller provides instant, optimised responses to changing conditions, allowing the blade motors to maintain consistent blade speed and prevent bog down commonly found in petrol and under powered electric motors.

OptimusZ boasts the only real time 4G+GPS connectivity in its category, enabling fleet management via the units software and the GREENWORKS Commercial app anytime, from anywhere. This connectivity provides instant visibility to usage statistics and gives live insights into battery status and all the system functions. Also, the 4G module enables over-the-air (OTA) software updates to guarantee your machine always has the latest and greatest software without ever having to step foot in a dealership or repair shop.





# 60" OptimusZ Zero Turn Mowers

Model No: CZ60R18X

18kWh Part No: 7401807AU

Model No: CZ60R24X

24kWh Part No: 7403307AU



The state of the art traction control system delivers instant, optimised responses to changing conditions intelligently apply power when needed, allowing user to maintain peak driving performance and comfort on various terrain types, inclines/declines and conditions such as tall, thick and wet grass. Maintaining performance and riding comfort on any terrain reduces user fatigue and enhances the overall experience.

The use of hub motors and planetary gearboxes allows for the entire drive system to be placed outside of the frame. This optimisation maximises the space between the frame, ensuring the internal layout of the machines are as efficient as possible and giving the OptimusZ range the lowest centre of gravity in the industry.



Specifications	7403007AU	7401707AU	7401807AU	7403107AU	7403207AU	7403307AU
Battery Power	----- 18kWh -----			----- 24kWh -----		
Runtime	----- Up to 6 hours -----			----- Up to 8 hours -----		
Charge Time Standard Charger	----- 6 hours -----			----- 8 hours -----		
Charge Time Super Charger	----- 2.5 hours -----			----- 3.5 hours -----		
4G+GPS	yes	yes	yes	yes	yes	yes
Cutting Speed	----- 26km/h -----					
Slope Capability	----- 15° -----					
Deck Positions	----- 17 -----					

**Other features include:**

**Bolt-on replaceable deck baffles and rollers**

Provides users with an excellent serviceability experience by allowing easy replacement for highly wearable parts.



**Unique, ergonomic handle controls**

Adjustable L-shaped handlebars with patented quick access buttons enable users to change speed and drive without needing to remove their hands.



**2" receiver and rear tow point**

Allows users access to an array of 2" receiver compatible attachments and a tow point to conveniently pull the mower from unfavourable positions such as ditches.



**State of the art 4.3" LCD touchscreen**

The intuitive interface and ultra bright screen provide excellent visibility and an unmatched user experience and is backed by an IPX56 protection rating.



**17 deck height positions**

Ensures that users can accurately cut to desire grass heights ranging from 25mm to 125mm.



**Industry leading reinforced casters**

Equipped with dual layered, half inch metal plating for maximum caster durability and rigidity.



**Rubber discharge flap with hook loop**

Keep debris from flying upwards and comes with a hook loop, convenient for flap raising when transporting or storing.



**2 cup holders, USB-A and C ports and storage pocket**

Convenient for on the job hydration and being able to store and charge mobile devices while operating the machine.





# 8kWh OptimusZ Stand-on Zero Turn Mowers



**Model No: CZ32S8X      32" Part No: 7401207AU**  
**Model No: CZ36S8X      36" Part No: 7401307AU**



The GREENWORKS® 8kWh commercial compact stand-on mower is the most powerful and most advanced compact stand-on zero turn mower in the market. These unit is the ultimate productivity machine with user comfort and safety in the forefront of its design philosophy.

Engineered for all day commercial use, landscapers can now confidently mow up to 7 acres and enjoy 5 hours of runtime thanks to the highly efficient, built-in 8kWh battery module with safe LFP cell technology.

Two industry first, ultra low profile hub drive brushless motors (5kW output power each), planetary gearing and intelligent, interconnected systems provide users with unmatched driving performance, capabilities and comfort.



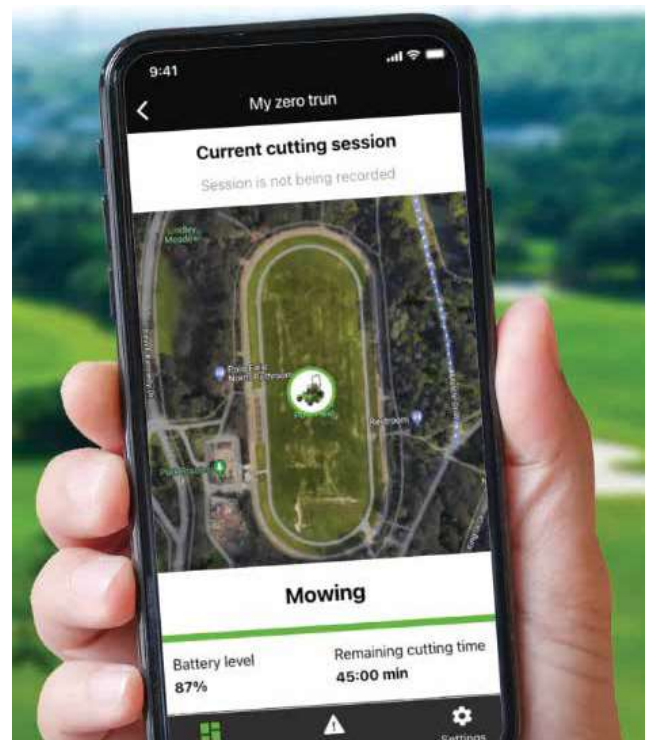
Specifications	7401207AU	7401307AU
Deck Width	32"	36"
Runtime	----- Up to 5 hours -----	
Coverage	----- Up to 7 acres -----	
Charge Time	----- 3 hours -----	
4G+GPS	yes	yes
Cutting Speed	----- 16kmh -----	
4G+GPS	----- yes -----	
Slope Capability	----- 15° -----	
Deck Positions	----- 17 -----	

This ultra high performance mower operates with the equivalent 22hp and 352cc displacement petrol engine. It is equipped with the most advanced 19k Constant Smart Cutting System™ and patented PowrTraQ Smart Drive System™. These systems make OptimusZ the BEST on the market!

With exceptional traction control, improved handling, intelligent design and the lowest centre of gravity in the class, OptimusZ can take on sloped applications that our competition can't - up to 15° degrees. Instant, optimised responses to changing conditions apply power when needed, allowing users to maintain peak driving performance and comfort on various terrain type, inclines/declines and conditions such as tall, thick and wet grass. This gives the user a superior versatility and allows more work to be done efficiently and safely. With a cut speed up to 16kmh - the fastest in its class, you can increase productivity, allowing users to complete tasks quickly, cutting more in less time than the competition.

With a constant 19,000FPM blade tip speed, these machines skillfully adjust to various grass conditions and ensures exceptional quality of cut. These superior direct drive features, innovative design and intelligent responses to changing conditions help make the OptimusZ stand-on the most agile and most powerful zero turn mower on the market.

OptimusZ also boasts the only real time 4G+GPS connectivity in its category, enabling fleet management via the units software and the GREENWORKS Commercial app anytime, from anywhere. This connectivity provides instant visibility to usage statistics and gives live insights into battery status and all the system functions. Also, the 4G module enables over-the-air (OTA) software updates to guarantee your machine always has the latest and greatest software without ever having to step foot in a dealership or repair shop.

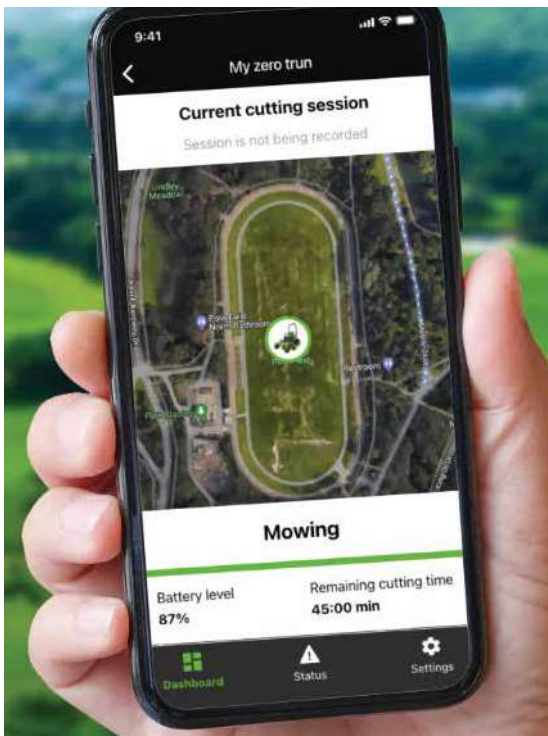




# 48" OptimusZ Stand-on Zero Turn Mowers

Model No: CZ48S18X  
Model No: CZ48S24X

18kWh Part No: 7401407AU  
24kWh Part No: 7403407AU



The GREENWORKS® OptimusZ commercial stand-on mower range is the most powerful and advanced stand-on zero turn machines on the market.

These ultra high performance stand-on mowers are equipped with the most advanced 19K Constant Smart Cutting System™ and patented PowrTraq Smart Drive System™. With the best centre of gravity in the industry, operators can now safely and confidently tackle slopes up to 15° and cut grass at up to 19kph. With a constant 19,000FPM blade speed, these machines skillfully adjust to various grass conditions to ensure the best cut quality.

Engineered for all day commercial use, the battery module, with safe LFP cell technology, allows landscapers to mow up to 16 acres/6 hours with the 8kWh model and 21 acres/8 hours using the 24kWh model. Safely and completely recharge in as little as 2-1/2 hours, allowing users to get back on the job faster than ever before.

OptimusZ also boasts the only real time 4G+GPS connectivity in its category, enabling fleet management via the units software and the GREENWORKS Commercial app anytime, from anywhere. This connectivity provides instant visibility to usage statistics and gives live insights into battery status and all the system functions. Also, the 4G module enables over-the-air (OTA) software updates to

# 52" OptimusZ Stand-on Zero Turn Mowers

Model No: CZ52S18X

18kWh Part No: 7401507AU

Model No: CZ52S24X

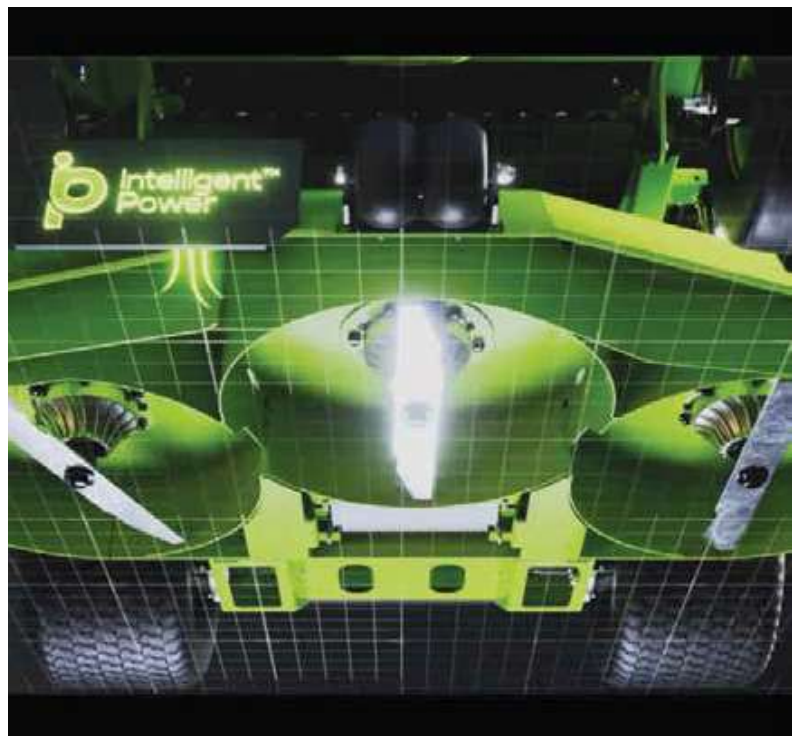
24kWh Part No: 7402007AU



guarantee your machine always has the latest and greatest software without ever having to step foot in a dealership or repair shop.

Optimised and efficient, ground up blade motor construction provides intelligent power transfer without the need for wearable parts such as belts, pulley or spindles. These motors now require little to no maintenance and have far few moving parts, all while still delivering maximum power.

With a constant 19,000FPM blade tip speed, these machines skillfully adjust to various grass conditions to ensure the best cut quality and the high speeds allow users to complete tasks quickly and cut more in less time, while maintaining a premium quality of cut regardless of grass conditions. The intelligent 3-in-1 blade controller provides instant, optimised responses to changing conditions, allowing the blade motors to maintain consistent blade speed and prevent bog down commonly found in petrol and under powered electric motors.





# 60" OptimusZ Stand-on Zero Turn Mowers

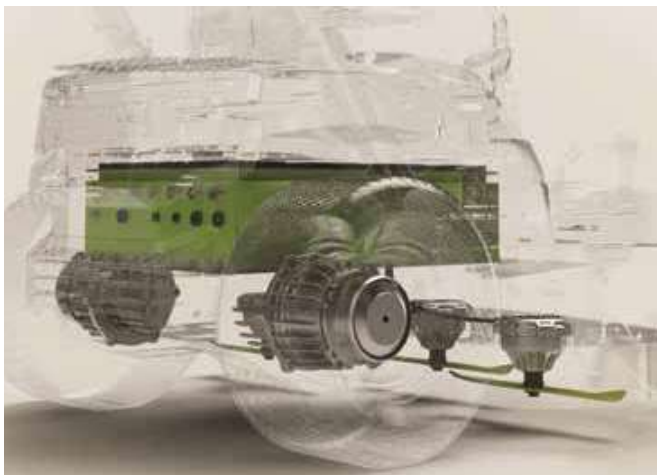
Model No: CZ60S18X  
Model No: CZ60S24X

18kWh Part No: 7401607AU  
24kWh Part No: 7402107AU



## Battery first constructions

Intelligently designed to maximise the space between the frame alongside two industry first, low profile hub drive motors tucked away into the rear wheels to achieve the lowest centre of gravity in the industry. This allows users to safely and confidently tackle higher sloped applications.



The combination of battery, motor, control and charging systems operating in sync, deliver unmatched power and performance compared to any other petrol or battery powered product. The use of hub motors and planetary gearboxes allows for the entire drive system to be placed outside the frame. This optimisation maximises the space between the frame, ensuring the internal layout of the machine is as efficient as possible.



Specifications	7401407AU	7401507AU	7401607AU	7403407AU	7402007AU	7402107AU
Battery Power	----- 18kWh -----			----- 24kWh -----		
Runtime	----- Up to 6 hours -----			----- Up to 8 hours -----		
Charge Time Standard Charger	----- 6 hours -----			----- 8 hours -----		
Charge Time Super Charger	----- 2.5 hours -----			----- 3.5 hours -----		
4G+GPS	yes	yes	yes	yes	yes	yes
Cutting Speed	----- 19km/h -----					
Slope Capability	----- 15° -----					
Deck Positions	----- 17 -----					

**Other features include:**

**Bolt-on replaceable deck baffles and rollers**

Provides users with an excellent serviceability experience by allowing easy replacement for highly wearable parts.



**Flanking "surf" pegs**

Provides users with additional footing for better weight adjustment when traversing higher degree slope applications.



**Front 2" receiver**

Allows users access to an array of 2" receiver compatible attachments and to jack the machine easily for maintenance and blade changes.



**Utility plate**

Offering an industry first utility plate which allows users to conveniently transport and store up to 110kgs.



**State of the art 4.3" LCD touchscreen**

The intuitive interface and ultra bright screen provide excellent visibility and an unmatched user experience and is backed by an IPX56 protection rating.



**Ergonomics, safety and agility**

Ride quality allows users to ride in line between the wheels reducing fatigue. Plus the lowest possible centre of gravity, allowing maximum stability when climbing or driving.



**Foldup standing plate and walk behind feature**

Enables users to fold the stand plate up and out of the way for walk behind operation. This limits the drive speed to provide better user control.



**2 cup holders, USB-A and C ports and storage pocket**

Convenient for on the job hydration and being able to store and charge mobile devices while operating the machine.







# OptimusZ 8kW Super Charger

Model No: C80SC

Skin Only Part No: 2954107AU

- Charges 24kWh battery in 3 hours
- Short circuit protection
- Burnout protection
- No-load protection



- Compatible with all OptimusZ models
- Automatic shutdown when fully charged
- LCD screen for critical charging information
- Minimises downtime, maximises productivity

## Specifications C80SC

Charge Rate	AC 240V 31A (7.7kW)
Max Output Voltage	86.4V
Output Current	DC 80A
Rated Input Current	32.0 A
Rated Input Power	7.7kVA
Charging Time	24kWh within 3.5 hours
Weight	39.9kg



### Proven reliability

Charging shell is shaped by integrated die casting and joined with temperature resistant glue. The active cooling fan is designed with a potting structure to provide longer life. Charger has been tested in various industrial environments (wet, cold, hot, dusty) and design is proven and passed for unmatched reliability.

### Safety and longevity

Active PFC and LLC techniques are applied for a rapid response on a detected fault. Quick active software self-protection and reliable passive hardware self-protection on voltage and current. Advanced charging strategy is integrated as a safeguard for battery system protection.

# Accessories

ETO Blower Attachment	Mulch Kit	Striping Kit	Canopy Kit
310kph / 2378m <sup>3</sup> /h	Blade design assist with finer grass clippings	Easy assembly and installation for user convenience	Stainless steel support beams ensure robust stability
Dual axial blower design for added power and accuracy	Allows users to bag up to 50% more grass and less visible clippings when mulching	Sealed grease bearings offer the longest possible service life	Increase shade and user comfort while operating
Adjustable 5 rotation points provides to right angle for the application	Sharp edged blades cut cleanly and efficiently reducing overall mowing effort	Enables users to mow and stripe all in one operation	Provides exceptional protection from the sun, combating sunburn, skin cancer and tired eyes
Users do not have to go back to the trailer to blower and will be much quicker	Recycler system allows users to create and utilise natural fertiliser (mulch)	Provides premium striping and well manicured look to lawns	UV resistant, easy to install, lightweight and touch, scratch resistant and rust prevention

