

Transaxle for Electric lawnmowers

Rotontek Low-Noise Electric drive Axle
All gear made by forged alloy steel Fine tooth grinding
Making your driving quieter and more comfortable



P11



Youtube



Quietness is a result due to quality material precision process

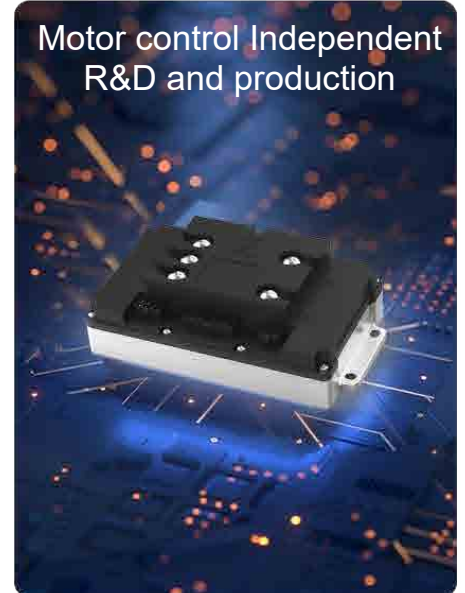
Alloy steel gears with
level 6 precision



Brushless Motor Independent
R&D and production



Motor control Independent
R&D and production



Wheel-side motor

ND22



Rated voltage	Rated power	Gearbox reduction ratio	Rated speed	Motor type	Class	Electromagnetic brake	IP Rating	Noise
DC 24V DC 48V	500W 800W	33.2:1	100±10%RPM	BLDC	F	24V 6N·m	IP65	≤60dB

ND42



Rated voltage	Rated power	Gearbox reduction ratio	Rated speed	Motor type	Class	Electromagnetic brake	IP Rating	Noise
DC 24V DC 48V	1000W 1500W	43.9:1	90±10%RPM	BLDC	F	48V 6N·m	IP44	≤60dB

Electric Transaxle

ND53 2.5- 7.5KW



Rated voltage	Rated power	Transmission ratio	Rated speed	Sensor Type	Motor type	Maximum load weight	Noise
DC24V DC48V DC72V	2.5KW/3KW/4KW 5KW/7.5KW	1:45.33 1:80.9	3000RPM	Pulse encoder Electromagnetic encoder Rotary transformer	AC /PMSM	1500kg semi-floating 3000kg fully floating	≤60dB

Drive Controller

300-800W DC Permanent Magnet Brushless Controller

ID200



Rated voltage	Continuous current	Peak current	CAN/SCI communication	Size
DC 24V/36V/48V	60 min ¹ 30A 1 min ² 60A	10 sec 75A	YES	165x96x46mm

2KW DC Permanent Magnet Brushless Controller



ID200

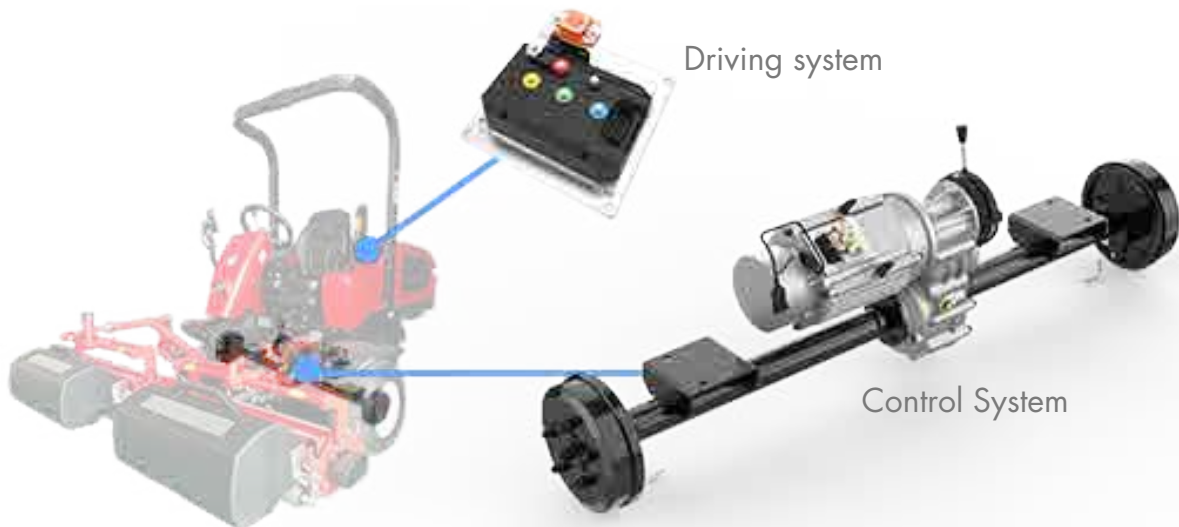
Rated voltage	Continuous current	Peak current	CAN/SCI communication	Size
DC 24V/36V/48V	60 min ¹ 60A 1 min ² 100A	10 sec 140A	YES	189x102x54mm

ID600 Drive Controller Permanent magnet motor and AC motor can be controlled

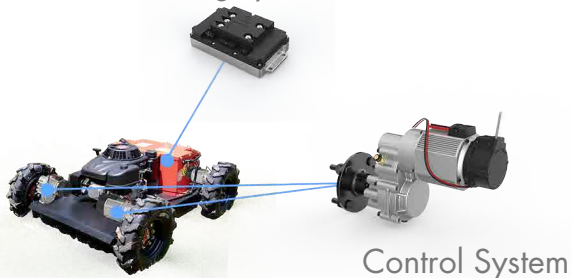


Model	Rated voltage	Continuous current	Peak current	Motor sensor type	Size
ID600-2300 ID600-2500 ID600-4300 ID600-4500 ID600-6500	24V 36-48V	100A 175A	200A 350A	Hall A/B incremental encoder SIN/COS communication	260x260x106mm

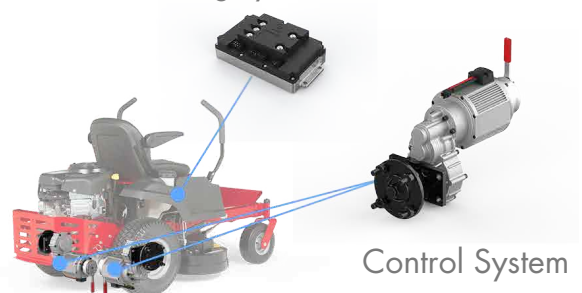
Control System and Drive System Solution



Driving system



Driving system



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