Overview

BURRO Cortador™ is an electric, autonomous mower that attaches to your Burro Grande, enabling fully autonomous mowing.

Dimensions & Weight (Cortador Only)

LENGTH	HEIGHT	WIDTH	WEIGHT
42 in (106 cm)	17 in (43 cm)	48 in (122 cm)	191 lbs (87 kg)

Dimensions & Weight (Cortador + Grande)

LENGTH	HEIGHT	WIDTH	WEIGHT
93 in (235 cm)	61 in (154 cm) (To Top of Beacon) 22 in (56 cm) (To Payload Area)	48 in (122 cm)	1272 lbs (577 kg)

Wheels & Blades

WHEEL	BLADES	DISCHARGE
2 Caster Wheels	3 Blades	Mulching

Terrain

RATED WORKING GRADE/INCLINE ANGLE[1]	MAX CUT THICKNESS	CUTTING HEIGHT
≈ 40% (22°)	Up to 1.5 in	2 in - 6 in

[1] Will vary based on speed, terrain, and carrying/towing payload

Power & Range

WHEEL MOTORS
4x Ruggedized heavy-duty dual-stage helical wheel drive with high-capacity output shaft

BLADE MOTORS
3 x 1.8 KW motors

MOTOR SPEED
Up to 3600 RPM

MAX SPEED[4]
5.8 mph

BATTERY[5]
9.6 kWh / 48V

MOWING RATE
Up to 8 Acres per charge

OPERATING TEMPERATURE
-4°F to 113°F (-20°C to 45°C)

CHARGE TIME
10 hours

CHARGING INPUT
100-240 VAC, 50-60Hz: 8-10A at 120 VAC, 4-5A at 240 VAC

CHARGING OUTPUT
Onboard: 24VDC, 13A

CHARGING TEMPERATURE
32°F to 122°F (0°C to 50°C)

[4] BURRO Grande can drive up to this speed. Autonomy, load, and field conditions can/will reduce its maximum speed

[5] Additional batteries can be added for extended range. Will vary based on speed, carrying/towing payload, and terrain (type & grade)

Interface & Safety Features

SCREEN
7" LCD Touch Monitor

BRIGHTNESS
1000 nits

RESOLUTION
1024 x 600

BUMPER BAR/SAFETY EDGE
Front & Rear

REMOTE VIEW
Online dashboard view: See robot on map, what it's doing, and what it's seeing

VISUAL
Strobe safety running light (LED; hard-wired); Front & Rear LEDs provide cues & safety/area lighting

AUDIO
Cues inform users of Burro's autonomy & when it's in motion; Adaptive Horn: Volume adjusted based on ambient noise when in motion

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Autonomy Enabled for Cortador

AUTONOMOUS ROUTES (TEACH & REPEAT)
GPS + LiDAR

DOCKING
Vision + GPS + LiDAR

ROW NAVIGATION + ROW TO ROW
GPS

ATLAS (ONLINE ROUTE CREATION & MANAGEMENT + DESTINATION BASED NAVIGATION)
GPS + LiDAR

OBSTACLE HANDLING (STOPPING & AVOIDANCE/PATH PLANNING)
Vision + LiDAR