

Overview

BURRO Cortador is an electric 3-spindle rotary cutter that attaches to your BURRO Grande, enabling fully autonomous mowing. Grande + Cortador is the perfect combo to handle all of your overgrown fields, vineyard rows, tree rows, and any other thick brush, weeds, and grasses on your farm.

Take Back Your Terrain.



Dimensions & Weight (Cortador Only)

| LENGTH | HEIGHT | WIDTH | WEIGHT |
|-----------------|------------------|----------------|------------------|
| 30 in (76.2 cm) | 9.6 in (24.4 cm) | 48 in (122 cm) | 300 lbs (136 kg) |

Dimensions & Weight (Cortador + Grande)

| LENGTH | HEIGHT | WIDTH | WEIGHT |
|----------------|----------------------------------------------------------------------|------------------|-------------------|
| 99 in (251 cm) | 61 in (154 cm) (To top of beacon) 22 in (56 cm) (To payload area) | 48 in (121.9 cm) | 1381 lbs (627 kg) |

Wheels & Blades

| WHEEL | BLADES | DISCHARGE |
|-----------------|-----------------|-----------|
| 2 Caster wheels | 3x Swing 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 3800 RPM

BLADE SPEED

17900 FPM

MAX SPEED⁴

5.8 mph

MOWING RATE

Up to 6.5 acres per charge with 4 batteries

BATTERY⁵

9.6 kWh / 48V

OPERATING TEMPERATURE

-4°F to 113°F (-20°C to 45°C)

RUN TIME

Up to 7 hours with 4 batteries

CHARGING INPUT

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

CHARGING OUTPUT

Onboard: 48VDC, 20A

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

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

