

Docking Station

The **Burro Docking Station** revolutionizes the way you use your Burros and enables for a truly autonomous experience. The dock automates the charge cycle for your Burro Grande and Burro Verde robots—wirelessly, reliably, and without human intervention. As your fleet returns to its assigned dock, it aligns itself, charges, and returns back to work, so you can focus on high-value tasks in your nursery, greenhouse or farm.



Key Benefits

CONTINUOUS, HANDS-FREE OPERATION

Eliminate nightly plug-in routines and reduce labor costs.

MAXIMIZED UPTIME

With the dock, you can now perform continuous operations like mowing, spraying, scouting etc. without human intervention.

BUILT FOR THE OUTDOORS

Delivers reliable performance across diverse weather conditions, including but not limited to rain, dust, and mud.

SEAMLESS INTEGRATION

Works out of the box with all Burro Grande and Burro Verde units with minimal setup.

Key Features

FULLY WIRELESS

Wired docks are prone to failures due to wear and tear. Burro's wireless dock is designed for reliability and years of continuous docking cycles in some of the harshest environments.

- Inductive power transfer up to 1.5 kW
- No exposed connectors or cables to corrode or fail

AUTONOMOUS DOCKING AND CHARGING

No need to have a person plug in the robot at night, or unplug when they are done charging. That consumes too much time. The docking station just makes this happen without you needing to change anything

- Proprietary LiDAR-based guidance ensures millimeter-accurate positioning every cycle
- Self-detection of dock occupancy for optimized charging schedules

24/7 OPERATION

Robots align to the docking station using our proprietary LiDAR alignment technology; this means you can operate day and night with the same level of accuracy every time.

SUPPORTS YOUR EXISTING ROBOTS

The docking station is compatible with all existing Burro Grande and Burro Verde units. Each docking station can now serve up to two robots of the same model two Grandes, or two Burro Verdes. We recommend staying within that two unit limit to keep charge cycles reliable and your fleet ready when you need it.

OUTDOOR OPERABILITY

The docking station is designed to work in some of the harshest environments. It is weather resistant, robust and can continue to operate in all weather conditions (including but not limited to rain, dust).

- Ruggedized base stands up to UV, temperature swings and chemical exposure

Technical Specifications

CHARGING POWER

Grande - up to 1.5kW (1500w)
Verde - up to 0.72kW (720w)
Cortador Grande w/ Extended Battery Pack - up to 1.5 KW

CHARGE TIMES

Grande -
7 hours @220VAC; 10.5 hours @110VAC

Verde -
4 hours @220VAC; 4 hours @110VAC

Cortador Grande w/ Extended Battery Pack -
14 hours @220VAC; 21 hours @110VAC

COMPATIBLE PLATFORMS

Burro Grande, Burro Verde

INPUT VOLTAGE

100-230 VAC

INPUT PHASE

1-Phase

INPUT HZ

50/60 Hz

LOCALIZATION

Lidar-based

SUPPORTED WALL OUTLETS

NEMA 6-15/20 or 6-50, with adapter @220VAC
NEMA 5-15 @110VAC - Standard US Outlet

**Supports other standard outlets in AUS & NZ*

SUPPORTED SURFACES FOR INSTALL

Concrete & Asphalt with anchor bolts;
Dirt with Rebar stakes

CERTIFICATIONS

UL, CE, UKCA & CSA. (Aus RCM require unit commitments)

Dimensions

MOUNTING PLATE

Height 52.5 in (134 cm)
Width 15.6 in (40 cm)
Depth 27.75 in (70.5 cm)

INCL. REFLECTOR PLATE

Height 52.5 in (134 cm)
Width 19.3 in (49 cm)
Depth 27.75 in (70.5 cm)

Installation and Support

- Compact footprint – mounts on concrete pad or structural skid
- Plug-and-play commissioning
- Compatible with standard 120 or 220V circuits in the US.
- Can be mounted on dirt or concrete with appropriate mounting hardware.
- Supports multiple of the same robot platforms per dock