

GRIDLESS SENTRY

**Self-Powered,
Cloud-Connected,
Uninterrupted Security:**
No Wires, Servers, or Infrastructure.



POLE



MAST



WALL



TRAILER



GRIDLESS SENTRY

The Gridless Sentry offers cutting-edge battery and connectivity solutions, powering security cameras and other security technology anytime, anywhere. Our standard kit includes a battery, modem, antenna, and PoE output in one easy-to-deploy enclosure. It can be powered with solar or AC and customized to fit your needs.

FAST
& Easy Setup


No NVR



4G OR 5G
Connectivity


Runtime

High Capacity, Long Life LiFePO4 Battery

- + 3000+ cycle life
- + Up to 1 week of runtime off a single charge without solar

24/7 Continuous Solar Operation

- + 1-4 cameras solar operation
- + Optional AC charging available for grid or generator charging

Connectivity

- + 4G or 5G cellular maintains cloud connection from anywhere
- + WiFi options also available if local networks are available

Easy to Install, Durable

- + 25lbs or 40lbs NEMA 4x pole mount enclosure
- + Quick and simple mount system for easy install

gMS - Gridless' Remote Management System

- + Real-time data about system performance
- + Alert notifications about unit status
- + Local site conditions like temperature and weather
- + System stats on-the-go with the mobile site





GRIDLESS SENTRY

ENGINEERED
CUSTOM, COMPLETE SOLUTION

NOT

OFF-THE-SHELF
PARTS COMBINED IN A BOX

Gridless Engineered Battery

Fully tested, directly sourced LiFePO4 cells

Custom BMS ensures safe operation and flawless cell balancing to maintain performance over a **5-10 year operating life**

Gridless Engineered Power Converters

Ensure high efficiency conversion at all power levels and extremely low idle power draw

Support up to **50% more equipment** from similarly sized batteries and solar panels

Gridless Engineered System Controller

Ensures extremely low sleep currents when the battery is fully drained, preventing bricking

Centralized monitoring of temperature, current, voltage, SOC, & more ensure safe operation

Keeps the system operating properly under challenging and harsh conditions

VS

OTS Lead Acid or LiFePO4 Battery

Unknown, unverified cell quality and origin

Limited (or no) BMS leads to poor cell balancing, capacity degradation, safety risks, and a **1-3 year operating life**

VS

OTS Power Converters

Offer limited efficiency and high idle power draws, leading to poor performance

Support up to **50% less equipment** from similarly sized batteries and solar panels

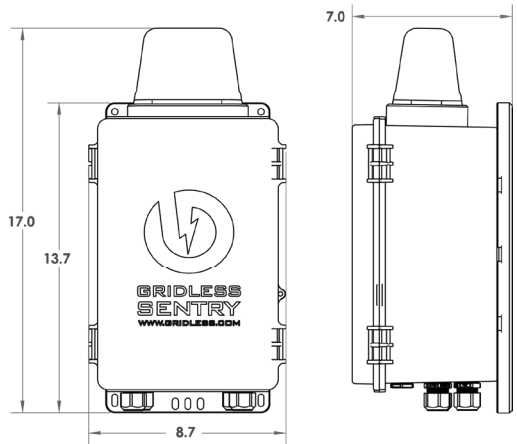
VS

No System Controller

High sleep currents can lead to irreversible battery damage if the battery is drained

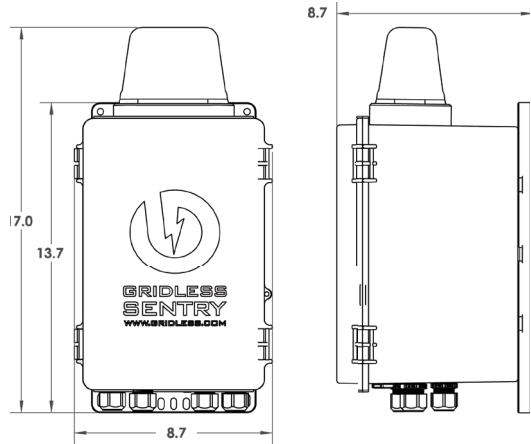
Individual devices can self-protect, but not overarching system awareness

Could lead to unexpected failures and pre-mature system death



SENTRY 1

DESIGNATION



SENTRY 2

Long Lasting Custom LiFePO4 Battery

1

INTERNAL BATTERY QT.

2

Plug and Play Automatic Solar Charge System for up to 2 panels

Configurable outputs - Qt. 1 Mode B 48V Passive PoE | Qt. 4 802.3at PoE | Qt. 1 802.3bt PoE++ | Custom

Direct 12VDC and 48VDC output available

NEMA 4x Enclosure with IP67 connectors and cable glands

-10C - 50C Nominal Operating Range, -40C - 50C Extended Operating Range

25lbs

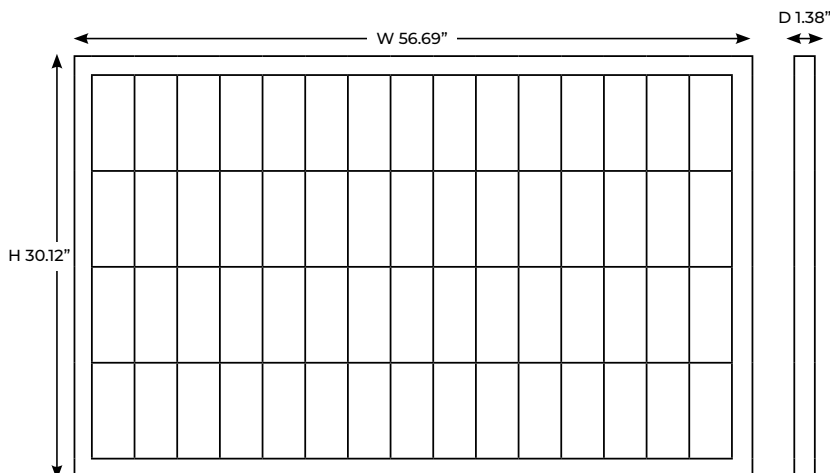
WEIGHT

40lbs

17.0" x 8.7" x 7.0"

DIMENSIONS

17.0" x 8.7" x 8.7"



SENTRY SOLAR PANEL

RATING 220W

EFFICIENCY 22.4%

SIZE 56.69" x 30.12" x 1.38"

WEIGHT 26.62lbs

WARRANTY

POWER 25 Year

WORKMANSHIP 2 Year