

Portable

Solar Energizers

Energizers supply the electric current that flows through fence wires. The output (size) and power source—AC (110V), battery, or solar—varies by energizer. Choosing the right fence energizer depends on several key factors, including the area to be fenced, available power source, and the type of animals being contained or kept out.

For optimal performance, **Patriot SolarGuard™ Energizers** and the **PS5** should be placed near the center of the fence with the solar panel facing south.

Can more than one energizer be used?

Yes, multiple energizers can be used, but each must be connected to a separate fence system.

Power Performance & Simplicity

- ✔ More power than comparable energizers
- ✔ Reliable year-round performance in harsh weather
- ✔ Fence and ground terminal knobs contain metal insert which ensure robust connections
- ✔ Single LED flash indicates fence pulse

Battery, Solar Panel & Versatility

- ✔ Integrated solar panel and battery in robust case
- ✔ Long-lasting rechargeable internal battery
- ✔ Easy, tool-free battery replacement
- ✔ Portable & lightweight
- ✔ Mounts to wood or T-post
- ✔ Compartment to stow fence leads
- ✔ Includes Fence Leads for connection

For specific details about each unit, refer to the back of this flyer. For proper installation and safety instructions, refer to the user manual included with the unit.



◀ Learn More

VISIT [PATRIOTGLOBAL.COM](https://PatriotGlobal.com)

Customer Support **800-433-3112** or customerservice@datamars.com

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Portable Solar Energizers

DATAMARS
Livestock™



| | SolarGuard™ 3500 | SolarGuard 2000 | SolarGuard 1000 | SolarGuard 500 | SolarGuard 150 | SolarGuard 80 |
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| Product Number (SAP) | 880 0004-860 | 880 0004-859 | 880 0002-628 | 880 0002-625 | 880 0002-605 | 880 0002-608 |
| Unit Dimensions | 26.7" x 14" x 14.2" | 17.2" x 14" x 14.2" | 12.6" x 15.7" x 10.6" | 12.6" x 15.7" x 10.6" | 9.5" x 12.2" x 10.6" | 9.5" x 12.2" x 10.6" |
| Coverage Area/Distance | 65 miles; 200 acres | 50 miles; 165 acres | 40 miles; 140 acres | 30 miles; 100 acres | 12 miles; 40 acres | 3 miles; 15 acres |
| Maximum Output Energy | 3.5 J | 2 J | 1 J | .5 J | .15 J | .08 J |
| Maximum Stored Energy | 4.6 J | 2.6 J | 1.3 J | .65 J | .21 J | .1 J |
| No Load Voltage | 10,100V | 10,500V | 9,600V | 9,800V | 9,300V | 7,300V |
| Standard Load Voltage | 9,200V (2,000 Ω) | 9,000V (2,000 Ω) | 7,000V (1,000 Ω) | 6,200V (1,000 Ω) | 4,100V (1,000 Ω) | 3,200V (1,000 Ω) |
| Power Modes | ☑ | ☑ | — | — | — | — |
| Battery Included | 12V; 24Ah | 12V; 12Ah | 12V; 7Ah | 12V; 7Ah | 6V; 4Ah | 6V; 4Ah |
| Replacement Battery (SAP) <i>(not included)</i> | 880 0004-882 | 880 0004-881 | 880 0003-113 | 880 0003-113 | 880 0003-284 | 880 0003-284 |
| One-hand Battery Access | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| Product Weight | 26 lbs | 22 lbs | 13.23 lbs | 13.23 lbs | 5.95 lbs | 5.95 lbs |
| Min. # of Ground Rods | 3 | 3 | 1 | 1 | 1 | 1 |
| Hassle-free Warranty | 3-year | 3-year | 3-year | 3-year | 3-year | 3-year |

All SolarGuard Energizer units include wood post mounting hardware, a T-post mounting channel, and a Fence Lead Set.

Fence condition depends on several factors, including its layout, vegetation, grounding conditions, age, and overall state of repair, all of which can affect the performance of any electric fence. Patriot units are designed for year-round use, ensuring optimal performance as long as the solar panel remains unshaded.

Fence Lead Set 880 0003-287