

# Patriot Energizer Comparison & Selection Chart



DATAMARS  
**Livestock.**

MODEL	POWER	COVERAGE AREA	CONTAINMENT OR EXCLUSION	OUTPUT ENERGY (UP TO)	STORED ENERGY (UP TO)	OUTPUT VOLTAGE (UP TO)	INTERNAL RECHARGEABLE BATTERY	CURRENT CONSUMPTION	SOLAR PANEL
PMX1500		600 ACRES / 200 MILES		12 J	20 J	10.6kV max, 8.4kV @ 500 Ω	---	---	---
PMX600		300 ACRES / 100 MILES		6.7 J	9.9 J	10.2kV max, 7kV @ 500 Ω	---	---	---
PMX350		200 ACRES / 65 MILES		3.5 J	6.4 J	10.2kV max, 6.2kV @ 500 Ω	---	---	---
P30		200 ACRES / 65 MILES		3 J	4.5 J	11kV max, 6.4 kV @ 500 Ω	---	300mA	30 watt
SG3500 <b>NEW*</b>		200 ACRES / 65 MILES		3.5 J	4.6 J	10.1kV max, 9.2kV @ 2,000 Ω	12V; 24Ah	<290mA	INTEGRATED
SG2000 <b>NEW*</b>		165 ACRES / 50 MILES		2 J	2.6J	10.5kV max, 9kV @ 2,000 Ω	12V; 12Ah	<170mA	INTEGRATED
P20		165 ACRES / 50 MILES		2 J	2.7 J	10.5kVmax, 6kV @ 500 Ω	---	170mA	20 watt
PBX200		165 ACRES / 50 MILES		1.9 J	2.7 J	10.4kV max, 5.8kV @ 500 Ω	---	170mA	20 watt
PMX200		165 ACRES / 50 MILES		2 J	3 J	9.5kV max, 5.7kV @ 500 Ω	---	---	---
P10		100 ACRES / 30 MILES		1 J	1.4 J	9.7kV max, 5.4kV @ 500 Ω	---	90mA	10 watt
PBX120		100 ACRES / 30 MILES		1.2 J	1.7 J	10kV max, 5.5kV @ 500 Ω	---	110mA	10 watt
PMX120		100 ACRES / 30 MILES		1.2 J	1.7 J	10.2kV max, 5.5kV @ 500 Ω	---	---	---
SG1000		140 ACRES / 40 MILES		1 J	1.3 J	9.6kV max, 7kV @ 1,000 Ω	12V; 7Ah	90mA	INTEGRATED
SG500		100 ACRES / 30 MILES		0.5 J	0.65 J	9.8kV max, 6.2kV @ 1,000 Ω	12V; 7Ah	50mA	INTEGRATED
P5		60 ACRES / 15 MILES		0.5 J	0.7 J	8kV max, 4.5kV @ 500 Ω	---	45mA	10 watt
PBX50		60 ACRES / 15 MILES		0.5 J	0.67 J	8.2kV max, 4.4kV @ 500 Ω	---	50mA	10 watt
PMX50		60 ACRES / 15 MILES		0.5 J	0.85 J	10kV max, 4.8kV @ 500 Ω	---	---	---
PB12		40 ACRES / 10 MILES		0.12 J	0.16 J	8kV max, 4.5kV @ 500 Ω	---	7-25mA	---
PE10B		40 ACRES / 10 MILES		0.3 J	0.49 J	5kV max, 3.5kV @ 500 Ω	---	36mA	---
PE10		40 ACRES / 10 MILES		0.3 J	0.49 J	5kV max, 3.5kV @ 500 Ω	---	---	---
SG150		40 ACRES / 10 MILES		0.15 J	0.21 J	9.3kV max, 4.1kV @ 1,000 Ω	6V; 4Ah	30mA	---
PE5B		20 ACRES / 5 MILES		0.2 J	0.3 J	5kV max, 3.2kV @ 500 Ω	---	24mA	---
PE5		20 ACRES / 5 MILES		0.2 J	0.32 J	5kV max, 3.2kV @ 500 Ω	---	---	---
SG80		15 ACRES / 3 MILES		0.08 J	0.10 J	7.3kV max, 3.2kV @ 1,000 Ω	6V; 4Ah	16mA	---
PE2		8 ACRES / 2 MILES		0.1 J	0.16 J	5kV max, 2.8kV @ 500 Ω	---	---	---
PS5		8 ACRES / 2 MILES		0.04 J	0.06 J	7.4kV max, 2.6kV @ 1,000 Ω	4V	---	---

Table represents typical values.

\* NOTE: Range claims are a general guide and based on single-wire, weed-free fences. Actual range claims depend on many factors including fence and operation conditions, livestock type, and environment. Solar panel wattage numbers are general recommendations and may vary based on geography. Please consult your local electric fence professional to determine the best solar panel for you. All Patriot energizers are low-impedance.