

Energizer Selection & Comparison Chart

MODEL	POWER TYPE	FENCE RANGE/ANIMALS CONTROLLED*	PEAK OUTPUT ENERGY (UP TO)	PEAK STORED ENERGY (UP TO)	OUTPUT VOLTAGE (UP TO)	INTERNAL RECHARGEABLE BATTERY	CURRENT CONSUMPTION	RECOMMENDED 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	3.0 J	4.5 J	11kV max, 6.4 kV @ 500 Ω	-	300mA	30W
P20		165 ACRES 50 MILES	2.0 J	2.7 J	10.5kVmax, 6kV @ 500 Ω	-	170mA	20W
PBX200		165 ACRES 50 MILES	1.9 J	2.7 J	10.4kV max, 5.8kV @ 500 Ω	-	170mA	20W
PMX200		165 ACRES 50 MILES	2.0 J	3.0 J	9.5kV max, 5.7kV @ 500 Ω	-	-	-
P10		100 ACRES 30 MILES	1.0 J	1.4 J	9.7kV max, 5.4kV @ 500 Ω	-	90mA	10W
PBX120		100 ACRES 30 MILES	1.2 J	1.7 J	10kV max, 5.5kV @ 500 Ω	-	110mA	10W
PMX120		100 ACRES 30 MILES	1.2 J	1.7 J	10.2kV max, 5.5kV @ 500 Ω	-	-	-
SG1000		140 ACRES 40 MILES	1.0J	1.3 J	9.6kV max, 7.0kV @ 1,000 Ω	12V	90mA	-
SG500		100 ACRES 30 MILES	0.5 J	0.65 J	9.8kV max, 6.2kV @ 1,000 Ω	12V	50mA	-
P5		60 ACRES 15 MILES	0.5 J	0.7 J	8kV max, 4.5kV @ 500 Ω	-	45mA	10W
PBX50		60 ACRES 15 MILES	0.5 J	0.67 J	8.2kV max, 4.4kV @ 500 Ω	-	50mA	10W
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 12 MILES	0.15 J	0.21 J	9.3kV max, 4.1kV @ 1,000 Ω	6V	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	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.