

Stinger Power-Line 120Vac Operated Energizers

Product Bulletin

Functional - Effective - Practical:

- designed for low maintenance charging of vegetated fences for domestic livestock control.
- of course it will work even better on clean fences.

Reliable:

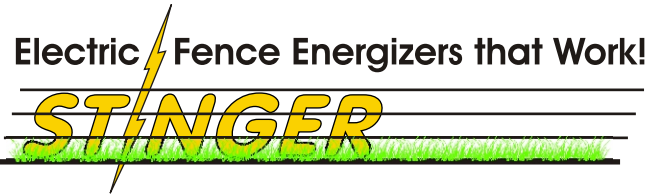
- designed, manufactured and serviced in Edmonton, AB Canada for Stinger Products by the staff of the company that pioneered capacitive discharge electric fence controllers for un-insulated fences - over 30 years of experience in Western Canada conditions.
- output transformer is redesigned to provide extra high voltage isolation for enhanced protection from fence induced lightning surges.
- 5 transient suppressing components to protect from fence induced lightning surges.
- 3 transient suppressing components to protect from voltage stress caused by power line surges.
- energy storage capacitors are special pulse tested types to provide exceptional service life.
- circuit board is coated to protect from corrosion.
- 100% factory tested for all performance and safety related parameters after an extended burn-in period.

Warranty:

- simplified 3 year extended warranty even covers lightning damage:
 - 1 year dealer exchange with new unit,
 - 2 extra years factory repair or rebuilt exchange where customer pays a nominal shipping and handling charge.
- After-warranty factory repair or rebuilt exchange for a flat rate fee plus shipping charges.

AC3J special features:

- peak output power 120,000W @ 3,500V is regulated to automatically generate more output current to cover losses to vegetation.
- Operating at 117Vac (range is 105 - 127) will cost about \$7.50 / yr for continuous use.
- will charge 1/2 mile of 4 wire fence with grass growing past the bottom 2 wires when it is damp. (it will charge much more fence if you use wires that are covered in vegetation as ground wires instead)
- will charge a many of miles of clean fence wire using other manufacturer's math.



Power Source:

- economically operates from 120Vac with a current that is about the same as a night light.

Safety:

- Designed to meet the safety requirements of many international standards.
- Canadian Standards Association (CSA) Approved for outdoor use - weather resistant enclosure (not submersible).
- CSA approved to safely withstand power line surges to 180Vac.
- CSA approved output pulse characteristics including 300mA ON time, 5mA ON time, and output pulse charge.
- CSA approved OFF timing circuit uses a calibrated microprocessor and is not affected by line voltage, temperature, or component value changes.
- CSA approved component fault tolerance including circuit board trace shorts.
- CSA approved output transformer with safety ground shield is designed for 20,000V isolation between the fence circuit and the power line circuit.
- design tested operation from -50degC to +60degC.
- CSA approved production testing procedure.



Fence Guard Voltage Monitor:

- pulse measuring circuit with long life LED indicator.
- blinks every output pulse when the fence voltage is >3,000Volts.
- blinks every other pulse when fence voltage is >2,000Volts and <3,000Volts.

AC5J special features:

- peak output power 240,000W @ 4,150V is regulated to automatically generate more output current to cover losses to vegetation.
- Operating at 117Vac (range is 105 - 127) will cost about \$10.50 / yr for continuous use.
- will charge 1 mile of 4 wire fence with grass growing past the bottom 2 wires when it is damp. (it will charge much more fence if you use wires that are covered in vegetation as ground wires instead)
- will charge a very many of miles of clean fence wire using other manufacturer's math.