



INOVATOR
SPLITZEN
TECHNOLOGY

EF-60

Home Edition

Evo FranklinTM
lightning protection

Early Streamer Emission (ESE)



ESE Lightning Protection

Distributor :



3 years
warranty



PENNSYLVANIA
LIGHTNING LAB



Evo FranklinTM
lightning protection

Early Streamer Emission (ESE)



EF-150



Futuristic Technology
Modern Design
No Power Supply or Solar Cells
No Radioactive
Discharge Current 300 kA
Protection Radius 60-150m



How Evo Franklin Work ?

Lightning initiates from an electrical storm which usually generates within a cumulonimbus cloud.

When electrical energy has built up within such a cloud a "leader" of energy leaves it and will try to attach itself to a point on the ground which contains the most particles of energy of reverse polarity.

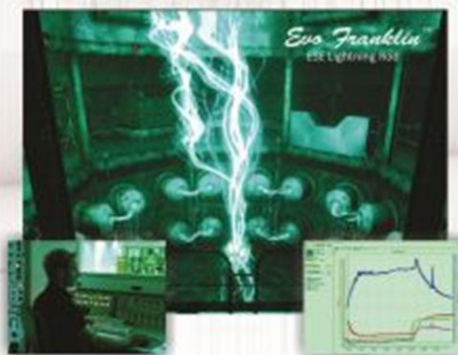
Some 90% of such "leaders" contain negative charges.

It has long been the endeavour of lightning protection specialists such as to Evo Franklin create a preferred point of attachment as offered by the Evo Franklin and more recent times, to do so effectively so that large areas of protection can therefore be provided from a single lightning terminal.



Downconductors

HVSC is a high integrity low impedance cable which is particularly effective on structures containing high density human occupancy and those which contain sensitive electronic equipment, volatile liquids and other sensitive applications.



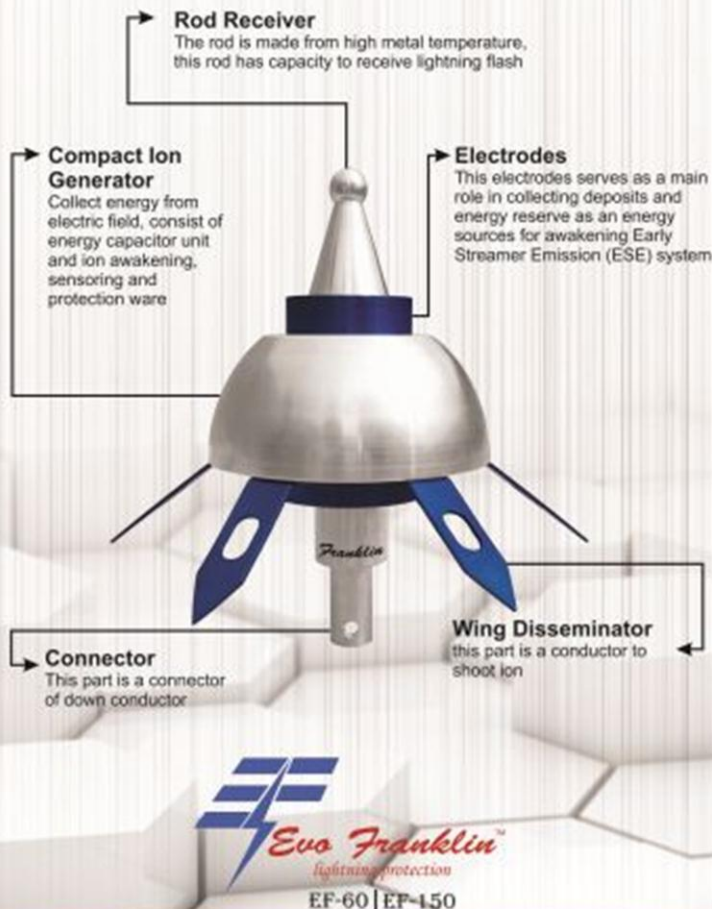
Research and Development

The company has an on going commitment to Research and development. Evo Franklin personnel and their associates have been involved in a number of field trials throughout lightning prone regions of the world. This experience has extended throughout such countries as Thailand, Indonesian, USA and Africa.



Product Specification

			
Name	Evo Franklin	Name	Evo Franklin
Model / Type	EF-60 (Home)	Model / Type	EF-150
Color Available	Silver Blue	Color Available	Silver Blue
Rate Radius	60 m	Rate Radius	150 m
Weight	1,5 kg	Weight	3,5 kg
Total Length	30 cm	Total Length	30 cm
Outer Diameter	2 inches	Outer Diameter	6 inches
Resistance Available	2 - 5 ohm	Resistance Available	0.2 - 2.5 ohm



What is lightning ?

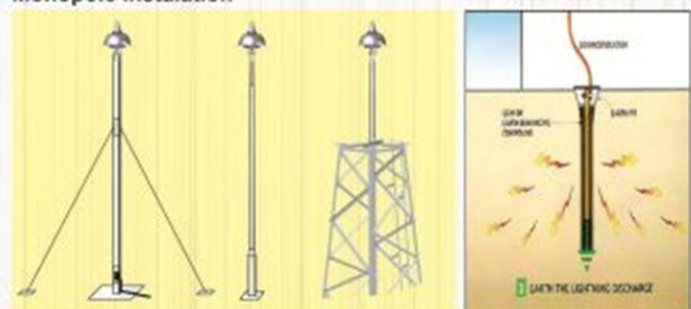
Lightning is one of the most beautiful displays in nature. It is also one of the most deadly natural phenomena known to man. With bolt temperatures hotter than the surface of the sun and shockwaves beaming out in all directions, lightning is a lesson in physical science and humility.

Beyond its powerful beauty, lightning presents science with one of its greatest local mysteries: How does it work? It is common

knowledge that lightning is generated in electrically charged storm systems, but the method of cloud charging still remains elusive.

Lightning begins with a process that's less mysterious: the water cycle. To fully understand how the water cycle works, we must first understand the principles of evaporation and condensation.

Monopole Installation



EF Earthing System

In electricity supply systems, an earthing system or grounding system is circuitry which connects parts of the electric circuit with the ground, thus defining the electric potential of the conductors relative to the Earth's conductive surface. The choice of earthing system can affect the safety and electromagnetic compatibility of the power supply. In particular, it affects the magnitude and distribution of short circuit currents through the system, and the effects it creates on equipment and people in the proximity of the circuit. If a fault within an electrical device connects a live supply conductor to an exposed conductive surface, anyone touching it while electrically connected to the earth will complete a circuit back to the earthed supply conductor and receive an electric shock.

Structure Height Installed EF terminal (typical 5m above structure)	Protection Level High		Protection Level Standart		Protection Level Low	
	EF-60	EF-150	EF-60	EF-150	EF-60	EF-150
10	45	110	60	130	70	140
20	60	130	75	150	85	160
25	70	140	85	160	95	170
30	80	150	95	170	105	180
35	90	160	105	180	115	190



EF-85



Early Streamer Emission (ESE)

Product Specification



Name	Evo Franklin
Model / Type	EF-85
Color Available	Silver Blue
Rate Radius	85 m
Weight	3,3 kg
Total Length	30 cm
Outer Diameter	6 inches
Resistance Available	0,2 - 2,5 ohm

EXCESS EVO FRANKLIN™ LIGHTNING PROTECTION SYSTEM

Evo Franklin™ lightning rod is a work-based electrostatic ESE specifically designed for high intensity lightning strikes and tropical regions like countries in Asia. There are 10 excess Lightning rod Evo Franklin™:

- More modern design, designed by scientists lightning Indonesia and Designer of Pennsylvania
- Using the latest technology
- Free Maintenance, No Power Supply or Solar Cells, No Radio Active
- Discharge Current 300 kA
- More Convenience in installation implement
- Using the best materials
- Affordable Prices
- Latest technology, specifically designed for high intensity lightning strikes and tropical regions like countries in Asia
- Reliable and Qualified Producer, supported by the High Voltage Laboratory Pennsylvania Lightning Lab
- 3 (three) years product warranty



Futuristic Technology



Modern Design



No Power Supply or Solar Cells

No Radioactive

Discharge Current 300 kA

Protection Radius 85m

3 (three) Years Product Warranty

