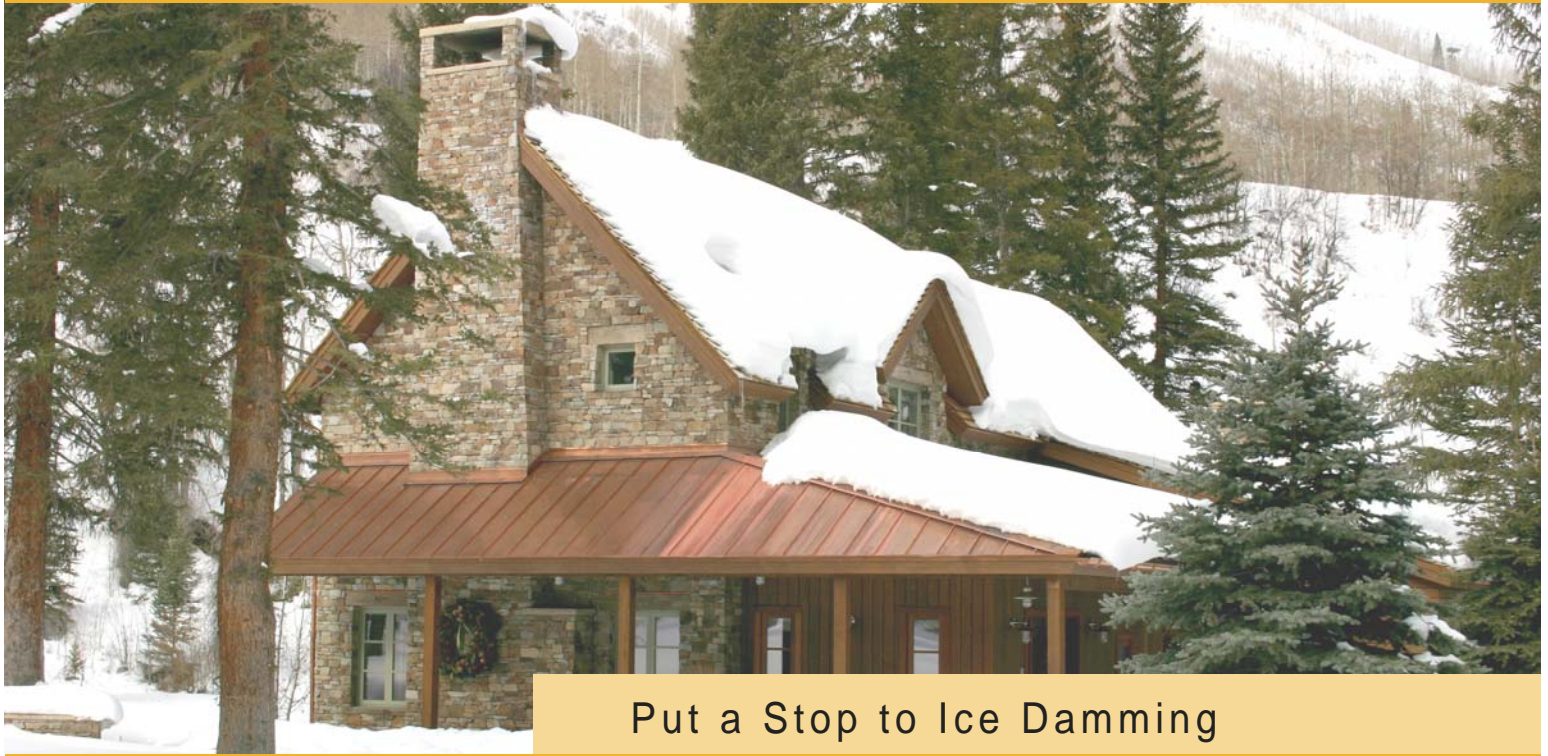




STEP Roof Deicing™ Solution



Put a Stop to Ice Damming

STEP ROOF DEICING™

- COMPATIBLE WITH SHINGLE AND METAL ROOF
Install elements under any rooftop and configuration - new construction, remodeling and existing roofs as well as gutters
- KEEP YOUR FAMILY HEALTHY AND SAFE
Rooftop and ice buildup can lead to dangerous conditions resulting in personal injury as well as serious structural damage
- NANO-TECH SAVES YOU MONEY
Self-regulating 12" wide ultra thin heating elements minimize power consumption

AVOID WATER LEAKAGE AND FALLING ICICLES

STEP Warmfloor™ roof deicing solution is designed to solve problems with snow buildup and ice damming on roofs, valleys, eaves and gutters.

Ice dams are formed due to the interaction between the amount of heat loss from a house, snow cover, outside temperatures and the effects of solar energy.

The water that accumulates behind an ice dam can cause moisture to seep through the roof, resulting in damaged ceilings, walls and floors and eventually mold growth.

Ice dams and their accompanying icicles are also heavy objects that can cause severe damage or even death when they slide or fall off a roof.

Our patented low voltage heating element STEP Roof Deicing™ is a durable, yet thin (3/64") element. This 12" wide element is made of a homogeneous, semi-conductive polymer, which by nature is self-regulating. This self-regulating technology (PTC nano-technology) allows the elements to heat with maximum power in cold environments and use less electricity as they warm up. This minimizes power consumption and reduces your deicing cost by 30 to 60% compared to conventional cable systems.

Expand the life of your roof and reduce the risks associated with snow and ice by installing STEP Roof Deicing™



STEP Roof Deicing™

SYSTEM COMPONENTS



STEP Heating Element™



STEP Heating Element™
(Optional)



STEP Power Supply 24 Volts

OPTIONAL

- Automatic Control
- Moisture / Temperature Sensors
- STEP Terminal Block
- Heat Retention Mat

INSTALLATION

- Stranded Tinned Copper Wires
- STEP Connector Pack
- STEP Crimp Tool

FEATURES

- **Strong, thin and flexible lightweight element with an impermeable membrane that protects against physical damages and aggressive materials**
- **Operates on 24 volts (AC/DC); Connect to a power supply, solar or wind power**
- **Self-regulating; As the material gets warmer, less electricity passes through the plastic – therefore it is extremely energy-efficient**
- **Easy to install; roll out the elements and cut to size on the job site, connect wires to power supply and elements**
- **The elements are designed and typically installed underneath the roof shingles and can be stapled or nailed through without damaging them**
- **Maintenance-free when installed**
- **Tip for ultimate energy savings; install Heat Retention mat between heating elements and the metal roof**

TECHNICAL SPECIFICATIONS

Heating Element

- Positive temperature coefficient (PTC) semi-conductive polymer
- Width: 12" (305mm),
- Element thickness: 3/64" (1.2 mm)
- Length: cut to order (maximum per strip: 34 ft (10 m))
- Secondary draw per foot (305 mm) of heating element
 - 24 Volt @ 68°F (20°C): 0.45 Amps
 - 24 Volt @ 32°F (0°C): 0.54 Amps
- 20 years warranty

Power Supply

- Low voltage dry type isolation power supply
- Extruded aluminum profile enclosure w/ heat sink
- 120 / 208 / 240 Vac primary and 24 Vac secondary
- Primary and secondary circuit protection
- RoHS compliant interface board
- 10 years warranty



ORDERING INFORMATION

Model no.: MEP-30-2-36W-24V

Element Length*	Power Supply Size (24Volts)	Watts	Amps 120V	Amps 240V
34 ft (10 m)	EPI-LX-500W	450	3.8	1.9
66 ft (20 m)	EPI-LX-1000W	900	7.5	3.8
100 ft (30 m)	EPI-LX-1500W	1350	11.3	5.6

* Maximum total element length per power supply. Element length cut to order.

APPLICATION

