



Description

STEP Gutter De-icing™ panel is designed to solve problems with snow buildup, ice damming and creation of icicles over entrances, garage doors, pathways, etc.

STEP Gutter De-icing™ is embedded between two layers of vinyl to ensure that the panel is protected against UV rays and other physical damages.

STEP Gutter De-icing™ panel operates on 12 volts and is connected to a step down power supply making it safe to use.

STEP Gutter De-icing™ is self-regulating and cannot overheat, thereby using very little electricity.

STEP Gutter De-icing™ panel is light weight, easy to install and can be cut to size on the job site.

Included with the panel:

- STEP Heating Element™ in vinyl
- Crimp connectors and tape (2 per panel)
- Sealant tape to seal watertight both ends of each panel
- Power Supply

Required:

- Tinned copper wire to connect the panel to the power supply
- STEP Crimp Tool

Optional:

- Thermostatic control
- Moisture sensor

Components

Heating element type	Positive Temperature Coefficient (PTC) semi-conductive polymer	
	VEP-7-2-17W-12V	Width: 4" (10 cm)
	Length: cut to order	Maximum panel length: 35 ft (10.6 m)
Vinyl enclosure	PVC coated polyester (tarpaulin)	Thickness: 21 mil (0.54 mm)
Finished panel	Weight: 0.15 lb/ft (0.49 kg/m)	Thickness: 3/32" (2.3 mm)
Power Supply	Low voltage dry type isolation power supply	
	Standard 120 Volts, other voltages available on request	
150 VA	For up to 21 feet of heating element	
250 VA	For up to 35 feet of heating element	
500 VA	For up to 70 feet of heating element	

Electrical Power

Output wattage when powered at 12 VAC	5.5 W/ft (18.0 W/m) @ 68°F (20°C)
	6.3 W/ft (20.7 W/m) @ 32°F (0°C)
Amperage draw when powered at 12 VAC	0.46 A/ft (1.5 A/m) @ 68°F (20°C)
	0.50 A/ft (1.7 A/m) @ 32°F (0°C)
Nom. resistance @ 68°F (20°C)	26 Ω/ft (8 Ω/m)

Maximum extension wire lengths

Wire Gauge	Panel element length			
	7 ft (2.1 m)	14 ft (4.2 m)	21 ft (6.4 m)	35 ft (10.6 m)
12 AWG (4mm²)	31 ft (9.4m)	21 ft (6.4 m)	14 ft (4.2 m)	9 ft (2.7 m)
10 AWG (6mm²)	50 ft (15.2 m)	33 ft (10.0 m)	21 ft (6.4 m)	15 ft (4.6 m)
8 AWG (8mm²)	80 ft (24.4 m)	53 ft (16.2 m)	33 ft (10.0 m)	23 ft (7.0 m)

Ordering Information

Model No.	Element Length	Power Supply Size	Connector Kit	Sealant Tape
VEP-7-2-17-12V	4" wide	12 Volts	Per panel to protect the terminals	Per panel to seal both ends
Maximum total panel length per power supply	21 ft (6.4 m)	EP-150W	2 pieces connector and tape (C&T)	2 x 4-inch (10 cm) long strip
	35 ft (10.6 m)	EP-250W		
	70 ft (21.3 m)	EP-500W		