

# GARN®

## ELECTRIC HEATING PACKAGE

ADD THE CONVENIENCE AND FLEXIBILITY OF ELECTRIC HEATING TO YOUR GARN WOOD HEATING SYSTEM

### ADDED VALUE:

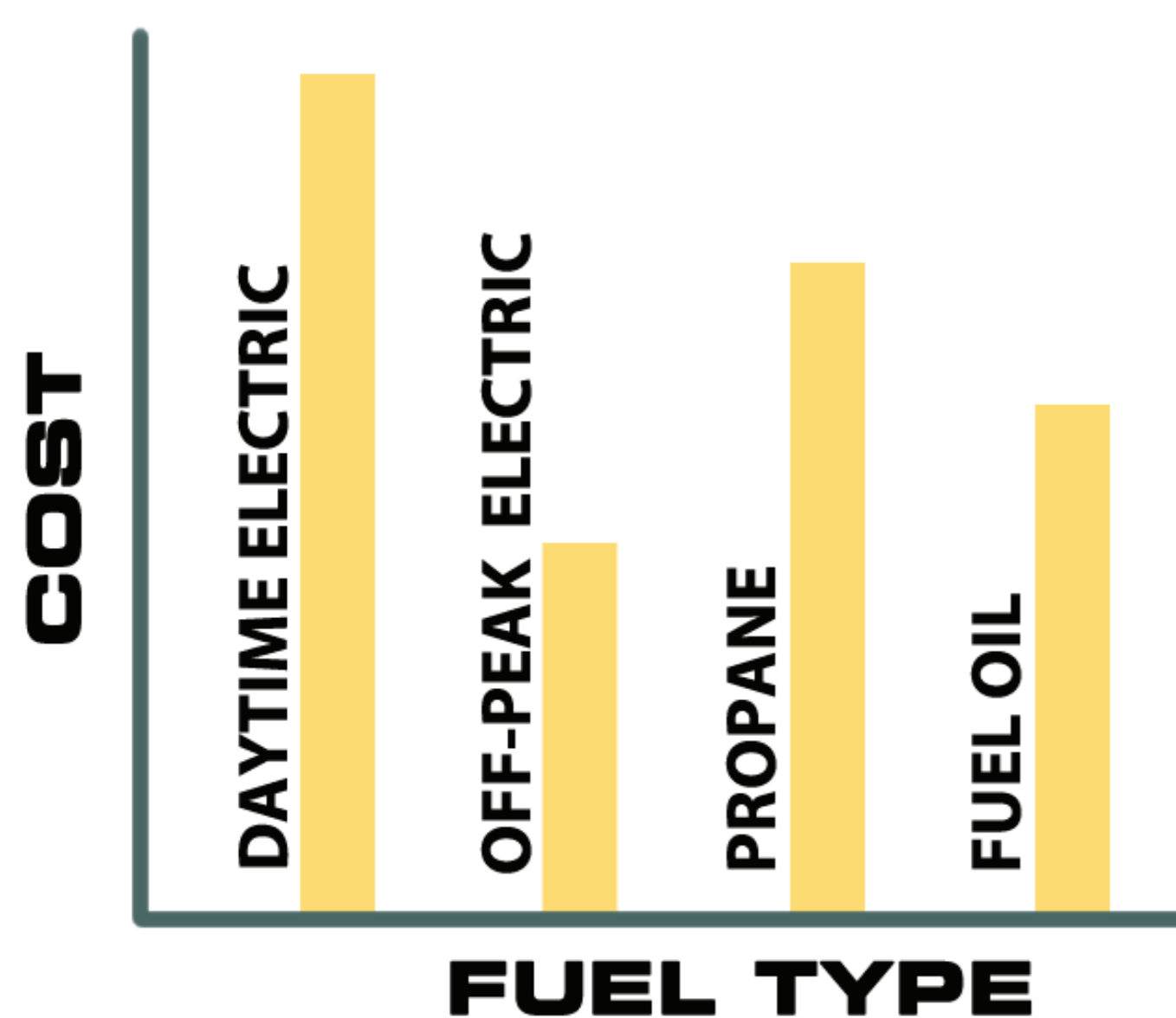
Did you know that you can turn your GARN unit into a complete electric heating system for less money than buying an electric boiler?

### CONVENIENCE:

Going on vacation or away for the weekend? With the GARN Electric Heating Package you can rest assured that your building is being heated.

### LOW COST:

Off-peak heating is less expensive than fuel oil or propane because most utilities will sell their off-peak electricity for 1/3 to 2/3 less than their daytime rates!



### INCLUDES:

The Electric Heating Package includes everything needed to turn your GARN unit into a complete electric heating system:

- Electric elements
- Element box and cover
- Electric sequencer

All components interface seamlessly with the GARN Digital Controller and can be fitted to any GARN Wood Heating System.

### WHAT IS THE GARN ELECTRIC HEATING PACKAGE?

#### 1 ELECTRIC ELEMENTS



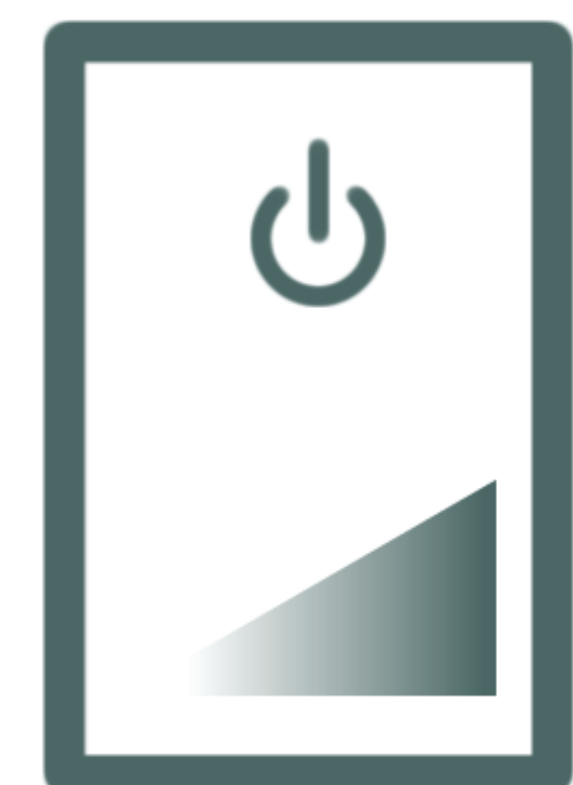
- A total of 3, 6, or 9 elements are included (depending on the package size)
- Elements are threaded into the front face of the GARN unit

#### 2 ELECTRIC ELEMENT BOX



- UL® listed box mounts to threaded studs on the front of the GARN unit
- Accepts up to 9 electric elements (up to 6 elements on the GARN 1000)

#### 3 SEQUENCER



- Proven technology turns the elements on one after another in sequence to provide a gradual and smooth power-up

WOOD

• **FLEXIBLE** •  
YOUR FUEL, YOUR CHOICE

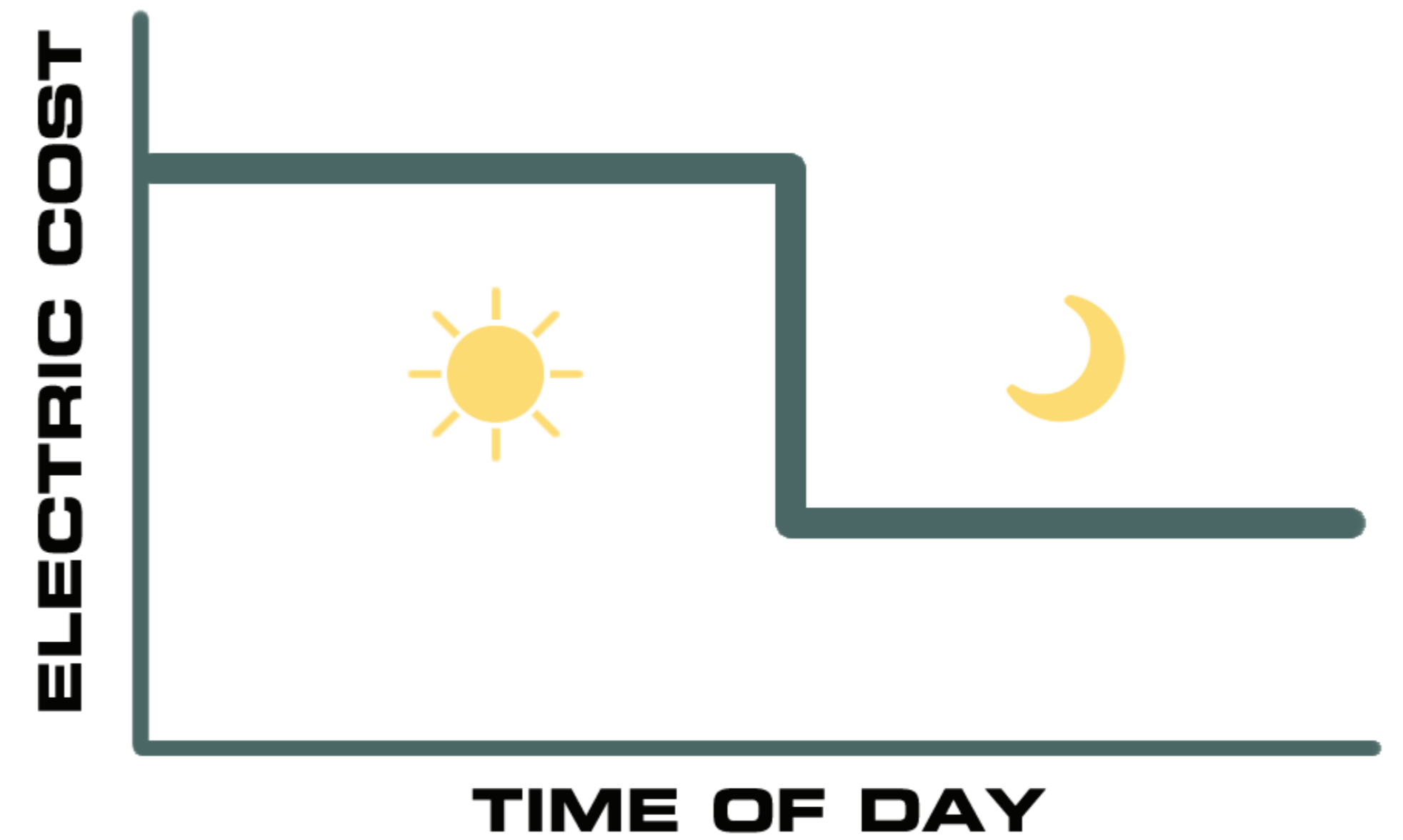
ELECTRIC

## HEATING WITH ELECTRICITY IS INEXPENSIVE WITH GARN® THERMAL STORAGE

### RATES AND OPERATION:

With the GARN Electric Heating Package, off-peak electricity can be an affordable and convenient way to provide heat. That's because most utilities offer off-peak electric rates for 1/3 to 2/3 less than their normal daytime electric rates.

The Electric Heating Package turns on when your utility says your rates are low. During that time, it charges up your GARN unit with hot water. When the rates rise again the utility turns off your electric heating. All that heat is now stored in your GARN unit, and you can use it throughout the day.



### OFF-PEAK ELECTRICITY EXPLAINED:

Utilities often charge their customers lower rates when the demand for electricity is lower – typically at night. Since these off-peak rates - also called “time of day”, “wind-assisted”, or “discounted” rates - are offered only during specific times of the day, storing the energy when it is offered at a low price is the key to heating affordably with electricity. Energy storage is easy with the GARN: it's already built into the GARN unit's water tank! No additional equipment for thermal storage is required.

Off-peak electric rates depend on where you live and what your utility offers. Contacting your utility is the first step towards determining the rates available to you.

## GREEN TECHNOLOGIES KEEP THE PRICE OF OFF-PEAK STABLE

### PRICING HISTORY:

Utilities have offered off-peak rates since the 1970's, and even with the growth in equipment that uses off-peak electricity, the rates have remained very stable. In addition, the growth of green technologies - such as wind - makes off-peak rates even more stable. Wind turbines generate power at night when the utility has minimal demand, so thermal storage using off-peak electricity is mutually beneficial to the consumer and the utility.



### REBATES:

Many utilities offer rebate programs for you to install an off-peak heating system. Some utilities offer rebates up to \$35 per installed kW. That means, for the 9 element, 49.5 kW Electric Heating Package, you could see a cash rebate of up to \$1,700! Other utilities may offer incentives in the form of a lump-sum rebate or special financing for installing off-peak equipment. Contact your utility to find out more.

## WHICH ELECTRIC HEATING PACKAGE DO I NEED?

### PACKAGE SIZING:

The size of your Electric Heating Package will depend on your heating needs and your local utilities off-peak programs.

The water temperature can be set between 45°F and 190°F, allowing the Electric Heating Package to be used as freeze protection, as a supplemental heat supply, or as a complete backup heating system.



	Number of Electric Elements:	Power Rating (kW):	Maximum Heating Capacity (BTUH):*
1	3	16.5	56,350
2	6	33.0	112,700
3	9	49.5	169,000

\* The heating capacity available depends on utility program

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CONTACT US FOR ASSISTANCE IN DETERMINING WHICH PACKAGE IS RIGHT FOR YOU

(612) 781-3585

**- FLEXIBLE -**  
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www.GARN.com