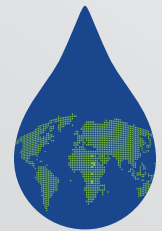endless hot water

ecosmart™
TANKLESS WATER HEATERS

Sharing the Warmth™

At EcoSmart®, we develop innovative, life-enhancing tankless electric water heaters for homes and businesses, enabling them to enjoy everyday living: sharing the warmth of endless hot water. Additionally, EcoSmart is part of the Rheem® family of brands.
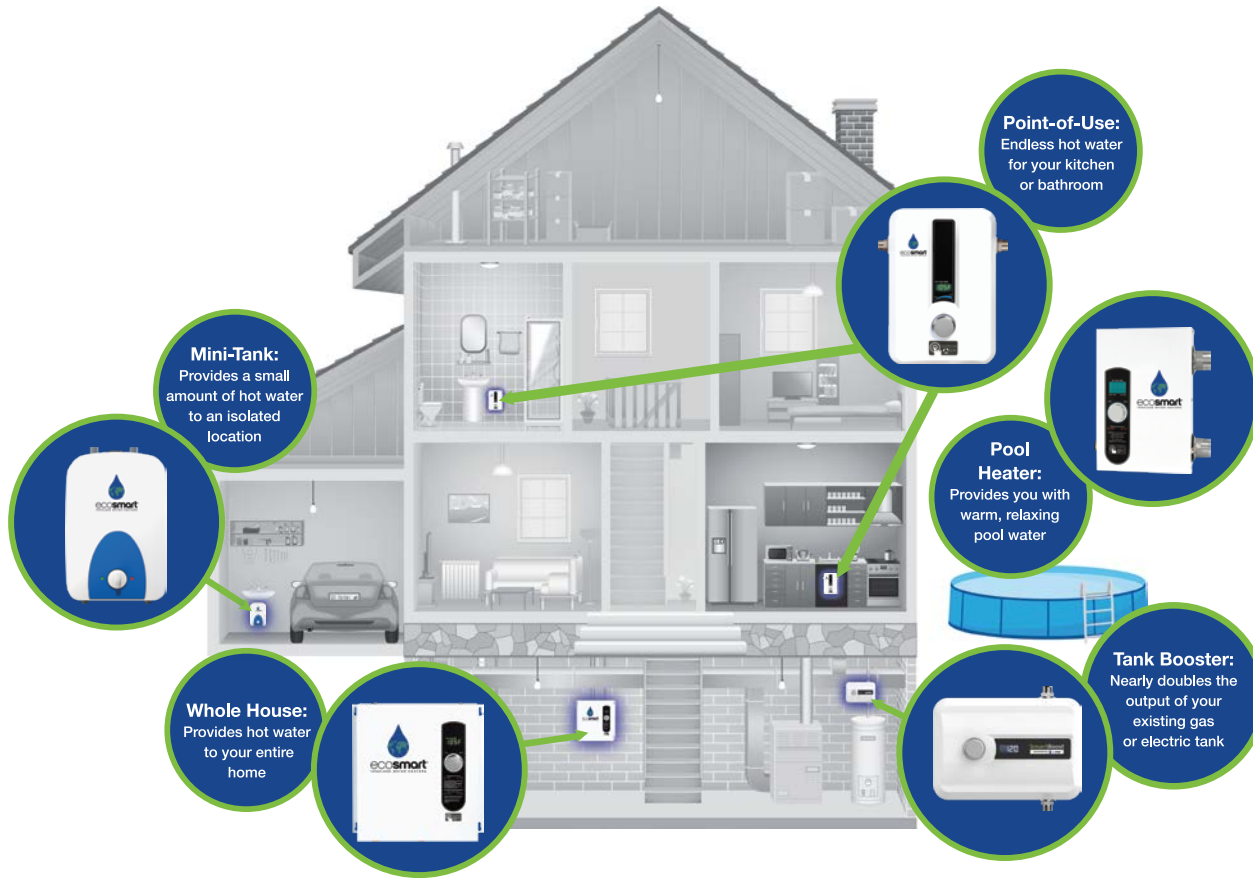
Every EcoSmart tankless electric water heater delivers endless hot water, while at the same time saving space, time, money, and allowing you to reduce your overall energy and water use. EcoSmart tankless electric water heaters are ETL Certified to UL 499. This mark serves as proof of product compliance to North American safety standards and guarantees a safe and reliable water-heating solution.

EcoSmart products are technologically advanced and can be used worldwide in a variety of applications from homes of any size to business environments such as offices or restaurants, or even recreational vehicles. Each tankless electric water heater is easy to install, dependable, and supported by a knowledgeable customer support team.

Finally, as part of our commitment to give back to our communities, EcoSmart actively participates in the Rheem Heart of Comfort® program with donations to Habitat for Humanity® initiatives.

EcoSmart. *Sharing the Warmth™*

Sharing the Warmth Throughout Your Home

Point-of-Use: Endless hot water for your kitchen or bathroom

Mini-Tank: Provides a small amount of hot water to an isolated location

Pool Heater: Provides you with warm, relaxing pool water

Whole House: Provides hot water to your entire home

Tank Booster: Nearly doubles the output of your existing gas or electric tank
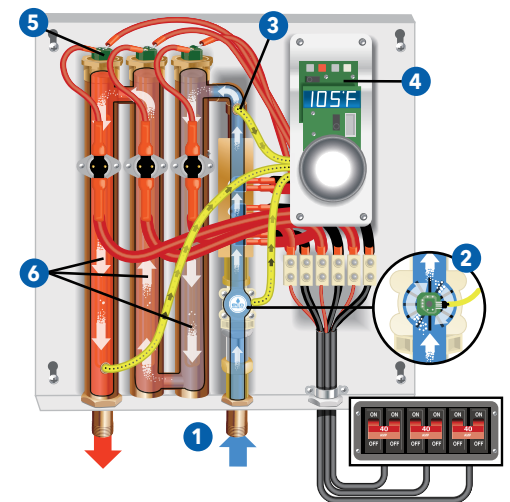
Thanks to EcoSmart tankless electric water heaters, you can feel the warmth in your shower, or when washing dishes or doing laundry; while working in the garage or splashing in your pool. With EcoSmart you will be happier knowing the warm water you expect is available endlessly, consistently, and on-demand, allowing you to reduce your water and energy waste. Now that feels warm all over!

save space **save** energy **endless** hot water **save** time **save** money

How tankless electric water heaters work

1. Water enters the system through the cold water inlet pipe.

2. Flow sensor detects the gallons-per-minute flow rate and sends the information to the control board.

3. Inlet thermostat reads the temperature of the incoming water.

4. Control board calculates the incoming temperature and flow rate to determine the appropriate power output to reach the set temperature point.

5. Triacs send the necessary voltage to the heating elements to achieve the correct power output.

6. Heating elements activate and heat the outgoing water to the appropriate temperature.

Tankless Electric Water Heaters

POU 3.5 and POU 6

The EcoSmart point-of-use (POU) series model numbers 3.5 and 6, provide on-demand and endless hot water for single-sink handwashing applications and are perfect for bathroom, wet bar, office, recreational vehicle, and remote-use applications. Both models are non-thermostatic and have digital displays showing output temperature. EcoSmart water heaters are durable, compact, and easy to install. To select the best solution for your hot water needs, please refer to the sizing guide on page 5.

POU 4T and POU 6T

EcoSmart point-of use (POU) thermostatic series model numbers 4T and 6T are tankless electric water heaters with self-modulating technology, and only consume the energy necessary for each use. Both models are ideal for handwashing in cooler climates and are perfect for a bathroom, wet bar, or office breakroom. In warmer climates, the POU 6T can supply two small sinks simultaneously, or one larger (1 gallon per minute) sink application. Both models have digital displays showing output temperature, which can be adjusted in 1-degree increments. EcoSmart water heaters are durable, compact, and easy to install. To select the best solution for your hot water needs, please refer to the sizing guide on page 5.

SPECIFICATIONS

Model #	POU 3.5	POU 4T	POU 6	POU 6T
kW	3.5	3.5	5.5	6.5
Voltage	120	120	220	240
Required Breaker	30A	30A	25A DP	30A DP
Max Amperage	29	29	25	27
Required Wire	10 AWG	10 AWG	10 AWG	10 AWG
Dimensions	7" x 11" x 3"	7" x 11" x 3"	7" x 11" x 3"	7" x 11" x 3"
Weight	4 lb	4 lb	4 lb	4 lb
Temperature Adjustment	no	yes	no	yes

TEMPERATURE RISE TABLE
Reflects temperature rise for different models at various flow rates in gallons per minute

Flow Rate	POU 3.5	POU 6
0.5 GPM	47.8°F	75.1°F
1.0 GPM	23.9°F	37.6°F
1.5 GPM	15.9°F	25.0°F

ECO 8 and ECO 11

EcoSmart ECO 8 and ECO 11 are also ideal for handwashing in cooler climates and are perfect for a bathroom, small sink, or office breakroom. When used as a point-of-use water heater, ECO 8 supports applications requiring 0.5 to 1.0 gallon per minute. In warmer climates, ECO 11 can provide continuous hot water at up to 2.6 gallons per minute, supporting a bathroom shower or kitchen sink. Both models have digital displays showing output temperature and can be adjusted in 1-degree increments. EcoSmart water heaters are durable, compact, and easy to install. To select the best solution for your hot water needs, please refer to the sizing guide on page 5.

ECO 18, ECO 24, ECO 27, ECO 36

EcoSmart ECO 18 through ECO 36 tankless electric water heaters are designed for larger apartments, condominiums, or townhomes. In warmer climates, these units can provide that same consistent, endless hot water to an entire single-family home. Each of these larger tankless electric water heaters has a digital display showing output temperature and can be adjusted in 1-degree increments. Equipped with EcoSmart self-modulating technology, ECO water heaters use energy only when hot water is being delivered. For the consumer this means no more wasting water or energy. To select the best solution for your hot water needs, please refer to the sizing guide on page 5.

SPECIFICATIONS

Model #	ECO 8	ECO 11	ECO 18	ECO 24	ECO 27	ECO 36
kW	8	11/13	18	24	27	36
Voltage	240	220/240	240	240	240	240
Required Breaker	40A DP	60A DP	(2) 40A DP	(3) 40A DP	(3) 40A DP	(4) 40A DP
Max Amperage	33	54	75	100	112.5	150
Required Wire	8 AWG	6 AWG	(2) 8 AWG	(3) 8 AWG	(3) 8 AWG	(4) 8 AWG
Dimensions	11.5" x 8" x 3.75"	11.5" x 8" x 3.75"	17" x 14" x 3.75"	17" x 17" x 3.75"	17" x 17" x 3.75"	17" x 21" x 3.75"
Weight	4.75 lb	6.5 lb	11.25 lb	13.75 lb	13.75 lb	17.4 lb
Temperature Adjustment	yes	yes	yes	yes	yes	yes

3 Smart Steps for Endless Hot Water

1 Choosing the right EcoSmart tankless electric water heater depends on your climate. Refer to our map, chart, and key to determine which model best suits your location and needs.

2 Match your location color on the map to the corresponding chart below to determine unit capacity, or how many faucets and showers can be supported simultaneously.

SIZING MAP

CAN   AK   HI   PR
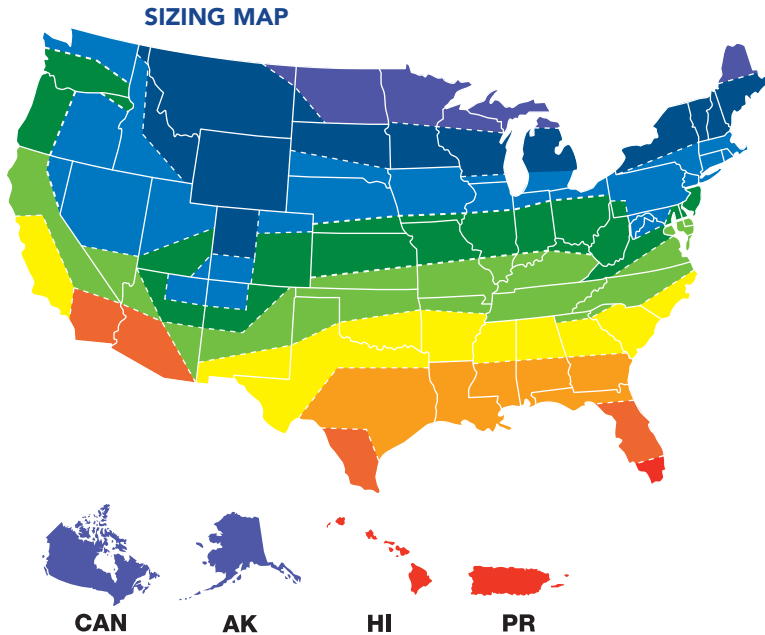
APPLICATION KEY

Description	GPM	Range	Symbol
Low Flow Faucet	0.5	0.5 – 0.9	
Bathroom Faucet	1	0.5 – 1.3	
Kitchen Faucet	1.5	1.0 – 2.2	
Shower	2	1.5 – 2.5	

The flow rate for each symbol is represented in the GPM (gallons-per-minute) column of the Application Key. The Range column indicates variations in GPM for faucets and showers based on manufacturer and style.

SIZING CHART

Inlet Temp: 37°F

Model	kW	GPM	Approx Usage
POU 6T	6	0.6	
ECO 8	8	0.8	
ECO 11	13	1.3	
ECO 18	18	1.8	
ECO 24	24	2.4	
ECO 27	27	2.7	
ECO 36	36	3.6	

Inlet Temp: 42°F

Model	kW	GPM	Approx Usage
POU 6T	6	0.6	
ECO 8	8	0.8	
ECO 11	13	1.4	
ECO 18	18	1.9	
ECO 24	24	2.6	
ECO 27	27	2.9	
ECO 36	36	3.9	

Inlet Temp: 47°F

Model	kW	GPM	Approx Usage
POU 6T	6	0.7	
ECO 8	8	0.9	
ECO 11	13	1.5	
ECO 18	18	2.1	
ECO 24	24	2.8	
ECO 27	27	3.1	
ECO 36	36	4.2	

Inlet Temp: 52°F

Model	kW	GPM	Approx Usage
POU 6T	6	0.7	
ECO 8	8	1.0	
ECO 11	13	1.7	
ECO 18	18	2.3	
ECO 24	24	3.1	
ECO 27	27	3.4	
ECO 36	36	4.6	

Inlet Temp: 57°F

Model	kW	GPM	Approx Usage
POU 4T	3.5	0.5	
POU 6T	6	0.8	
ECO 8	8	1.1	
ECO 11	13	1.8	
ECO 18	18	2.5	
ECO 24	24	3.4	
ECO 27	27	3.8	
ECO 36	36	5.1	

Inlet Temp: 62°F

Model	kW	GPM	Approx Usage
POU 4T	3.5	0.5	
POU 6T	6	0.9	
ECO 8	8	1.2	
ECO 11	13	2.0	
ECO 18	18	2.8	
ECO 24	24	3.8	
ECO 27	27	4.2	
ECO 36	36	5.7	

Inlet Temp: 67°F

Model	kW	GPM	Approx Usage
POU 4T	3.5	0.6	
POU 6T	6	1.0	
ECO 8	8	1.4	
ECO 11	13	2.3	
ECO 18	18	3.2	
ECO 24	24	4.3	
ECO 27	27	4.8	
ECO 36	36	6.4	

Inlet Temp: 72°F

Model	kW	GPM	Approx Usage
POU 4T	3.5	0.7	
POU 6T	6	1.2	
ECO 8	8	1.6	
ECO 11	13	2.7	
ECO 18	18	3.7	
ECO 24	24	4.9	
ECO 27	27	5.5	
ECO 36	36	7.4	

Inlet Temp: 77°F

Model	kW	GPM	Approx Usage
POU 4T	3.5	0.8	
POU 6T	6	1.4	
ECO 8	8	1.9	
ECO 11	13	3.1	
ECO 18	18	4.3	
ECO 24	24	5.8	
ECO 27	27	6.5	
ECO 36	36	8.7	

Results based on outlet temperature of 105°F. Actual inlet temperature may be affected by local variations and seasonal changes.

3 Verify water heater dimensions and electrical requirements for your chosen product to be sure that it will best fit your specific water heating needs. This guide was calculated using 240 volts on all units except for the POU 4T which uses 120 volts to calculate sizing.

Mini-Tank & Tank Booster

MINI-TANK

Good things do come in small packages. The EcoSmart Mini-Tank series delivers hot water right where you need it, from your garage or outdoor kitchen to your recreational vehicle, this little problem-solver literally brings the warmth wherever you go. The 1.5–4 gallon models also come with a 15-amp plug allowing you to plug them into a 120 volt outlet.

DIMENSIONS & ELECTRICAL REQUIREMENTS

All products 120V, 12 Amps

Model #	Gallons	Dimensions	Weight	Power
ECO MINI 1	1.5	15.1" x 9.8" x 9.9"	11.75 lbs	Plug-In
ECO MINI 2.5	2.5	17" x 11" x 11.5"	15.8 lbs	Plug-In
ECO MINI 4	4	18.1" x 12.4" x 12.9"	19.3 lbs	Plug-In
ECO MINI 6	6	20.9" x 13.9" x 14.3"	25.96 lbs	Pigtail

SmartBoost™

Get more out of your existing or new tank-type water heater. SmartBoost will increase the efficiency and performance of any tank by up to 45%—giving you the hot water output of a much larger tank and making that cold shower a thing of the past. With Vacation and Eco modes, SmartBoost enables you to save even more by reducing energy and fuel use when you are not at home. Installing SmartBoost is quick and easy as it connects directly to your existing tank and electrical infrastructure.

HOT WATER FEED

COLD WATER FEED

TANK

DIMENSIONS & ELECTRICAL REQUIREMENTS

Model #	kW	Voltage	Amperage	Required Wire	Pipe Fittings	Dimensions	Weight	Activation Flow
ECOTB240	7.2	240 V	30 A	10 AWG	1/2" CF	8"x11.5"x3.75"	5.4 lbs	0.3 GPM

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TANKLESS WATER HEATERS

Sharing the Warmth™

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