

# Water Heater Options



## Tankless Water Heater

Configuration:
150,000 BTU
180,000 BTU
199,000 BTU
Efficiency: Approx: 0.95 UEF and 15:1 TDR
Recirculation pump: included
Benefit(s): endless hot water + space saving
Wi-Fi: optional
Anode needed: NO
Programmable: YES
Warranty: 12 years
Noise level: 45 to 55db
Installation:
Installation type: wall mount
Size: 17.3"W x 28.8"H x 13.2"D
Space requirements: 20"W x 40"H x 15"D
Venting required: YES
Gas hookup required: YES
Electrical hookup required: YES
Est. energy cost per month: \$19/mo
12-yr energy cost: \$3,845
12-yr operating cost = \$3,500
total energy and op costs = \$7,345
total energy & op cost w/ solar: \$7,235
<b>Rebate: \$600 to \$1000 SoCalGas rebate</b>
<b>BEST FOR:</b>
• homes with restricted water heater space
• homes with large hot water volume demand
• homes with traditional natural gas water heater
Additional notes: Tankless water heaters reduce landfill waste at end of life.



## Stainless Electric Water Heater

Configuration:
40 gal
80 gal
Efficiency: Approx: 0.94 UEF
Recirculation pump: optional
Benefit(s): durability
Wi-Fi: no
Anode needed: NO
Programmable: NO
Warranty: lifetime for residential use
Noise level: 45 to 55db
Installation:
Installation type: floor mount
Size: variable
Space requirements: 24"W x 80"H x 24"D
Venting required: NO
Gas hookup required: NO
Electrical hookup required: YES
Est. energy cost per month: \$116/mo
12-yr energy cost: \$23,496
12-yr operating cost = \$0
total energy and op costs = \$23,496
total energy & op cost w/ solar: \$0
<b>Rebate: none</b>
<b>BEST FOR:</b>
• homes converting from gas or propane
• homes with limited water heater space
Additional notes: Stainless steel electric water heaters have the lowest install cost. Stainless steel tanks also have more recyclable metal.



## Heat Pump Water Heater

Configuration:
50 gal
66 gal
80 gal
Efficiency: 2.6 UEF or greater
Recirculation pump: optional
Benefit(s): energy savings + programmable
Wi-Fi: optional
Anode needed: YES
Programmable: YES
Warranty: 10 years
Noise level: 55 to 65db
Installation:
Installation type: floor mount
Size: variable
Space requirements: 700-1,000 cubic feet
Venting required: venting can replace space requirement
Gas hookup required: NO
Electrical hookup required: YES
Est. energy cost per month: \$45/mo
12-yr energy cost: \$9,087
12-yr operating cost: \$500
total energy and op costs = \$9,687
total energy & op cost w/ solar: \$500
<b>Rebate: Up to \$3,100 rebate when replacing a natural gas or propane water heater</b>
<b>BEST FOR:</b>
• homes converting from gas, propane, or standard electric.
<b>Equivalent propane savings: \$1,000/yr.</b>
Additional notes: May be eligible for a \$300 federal tax credit. More waste at end of life.

Energy cost per month calculated using www.energy.gov ratings of 365 days/year x kWh/day ÷ UEF x \$0.32/kWh). Assumes a 60-gal water heater and equivalent hot water demand based on www.energy.gov usage and factors.