



COMMERCIAL-GRADE  
RESIDENTIAL ELECTRIC WATER HEATERS

## VOLTEX® HYBRID ELECTRIC HEAT PUMP WATER HEATER

The Voltex Hybrid Electric heat pump water heater from A. O. Smith is the most cost effective energy-efficient option available for consumers who want to save money on their utility bills. Voltex can reduce water heating costs up to 74% and provide payback in 2-3 years. With annual savings up to \$579\*, there is no better way to go green than Voltex.

### HOW DO THEY WORK?

Absorb ambient heat from the surrounding air to heat water using a compressor and "Environmentally-Friendly" R134a refrigerant

- Self-contained heat pump unit is integrated into the top of the tank
- Multiple operating modes to maximize efficiency and performance

**QUALIFIES FOR MANY STATE AND LOCAL UTILITY REBATES -  
CHECK [WWW.DSIREUSA.ORG](http://WWW.DSIREUSA.ORG)**

### INCREASED ENERGY EFFICIENCY

- Improved efficiency designed in, to ensure available hot water at the lowest possible cost. Up to a 3.45 Uniform Energy Factor (UEF) Rating conserves energy and meets ENERGY STAR® qualifications

### CHOICE OF OPERATING MODES

- Select from Efficiency, Hybrid, or Electric modes to match heating requirements to environmental conditions.
- Hybrid mode automatically adjusts between compressor and element, depending upon heat requirements.
- Vacation mode reduces operating costs and provides freeze protection during extended absence

### BACKUP ELECTRIC ELEMENTS

- Long-lasting backup heating elements help heat water according to environmental conditions, demand, and the chosen operating mode

### COREGARD™ ANODE ROD

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods
- 66 and 80 gallon models have dual anodes for added protection.

### DRY FIRE PROTECTION

- Control system checks to ensure the tank is full of water during start up to prevent dry firing the heating elements

### ELECTRONIC USER INTERFACE

- User-friendly electronic interface allows easy control of temperature setting, operating mode, and communicates diagnostics
- Easy to read temperature display (see back) shows temperature in °F or °C
- Advanced diagnostics convey error messages for service purposes. The last four error messages are saved in the control system memory.

### OTHER FEATURES

- Ideal for basements or garage installations; the compressor transfers heat to the water while dehumidifying and cooling the ambient air
- Washable air filter is easily removed for routine cleaning

### OPTIONAL AIR DUCT ADAPTER KIT

- Permits installation in confined spaces

### SIX YEAR LIMITED WARRANTY

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com)

\*Comparing 80-gallon Voltex heat pump against pre-2015 similarly-sized standard electric using DOE EF to UEF conversion rates and \$0.14 per kWh electricity cost. Savings may vary.





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Model Number	Nominal Capacity	Rated Storage Volume	UEF	First Hour Rating (Gallons)	Dimensions in Inches					Approx. Shipping Weight (lbs)	Warranty Term
					A	B	C	D	E		
FPTU-50	50	46	3.35	66	63	22	40-5/8	3-3/4	40-1/2	196	6
FPTU-66	66	67	3.42	79	61	27	38	4	38	289	6
FPTU-80	80	82	3.45	84	69	27	46	4	46	307	6

Requires 30 amp breaker.  
Top T&P option not available.



## ELECTRONIC USER INTERFACE

- User friendly, easy to read display.
- LEDs clearly indicate the current operating mode.
- Easily select operating mode:
  - Efficiency
  - Hybrid
  - Electric
  - Vacation
- Display communicates current status, mode and set point, and displays error messages when applicable.

## EFFICIENCY MODE

- Utilizes the heat pump for all water heating.
- Automatically reverts to heating element if ambient air or water temperatures are outside optimal operating range for heat pump.

## HYBRID MODE

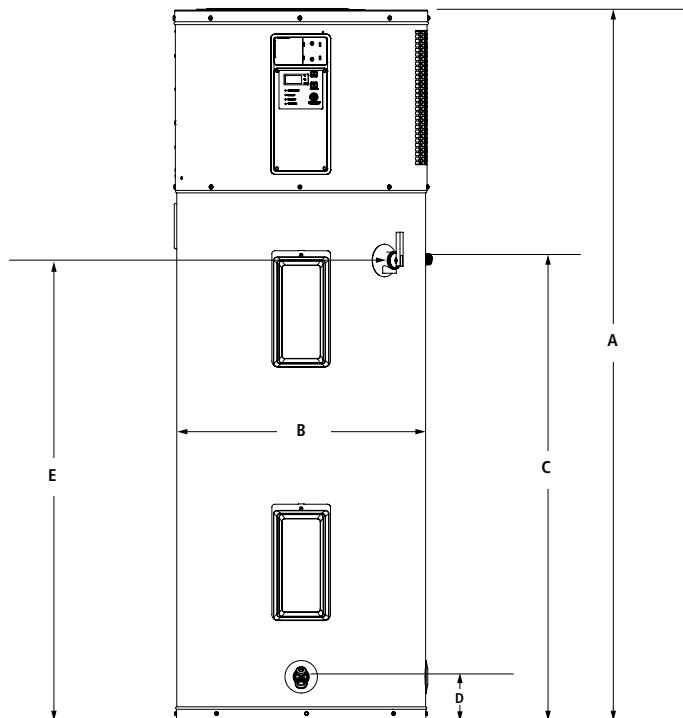
- Utilizes the heat pump or heating element, depending on demand.

## ELECTRIC MODE

- Standard electric water heater operation.

## VACATION MODE

- One touch operation maintains tank temperature of 60°F (15.6°C) during vacation or extended absence to reduce operating costs and provide freeze protection.
- Programmable up to 99 days.



## OTHER FEATURES:

- Sacrificial anode to protect against tank corrosion.
- Environmentally-friendly non-CFC foam insulation.
- Durable, enhanced-flow brass drain valve.
- CSA certified and ASME rated temperature & pressure relief valve.
- HUD Compliant

## OPERATING REQUIREMENTS:

- Requires provision for condensate draining; if a suitable drain is not available, a condensate pump is required.
- 208/240 VAC 60Hz single phase 30 amp power supply.

For Technical Information, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.