

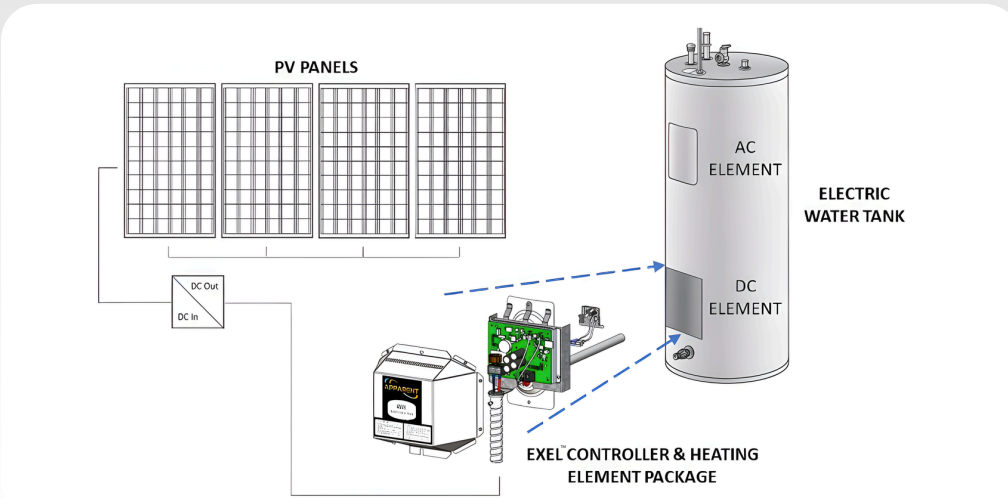


eXeL™ Hybrid Solar Water Heater

65galAWH / 105galAWH

You operate in a fast-paced service industry, constantly trying to outbid and outlast your local competition. The lines between electrical and plumbing continue to blur with the adoption of solar to heat water. However, most water heating solutions today are based on antiquated and inefficient technology. Not ours.

The Apparent eXeL™ Hybrid Solar Water Heater breaks new ground by combining the reliability of a storage tank system with the efficiency of solar energy applied directly to the water supply. Our proprietary circuitry has been designed to operate on low voltage and to constantly optimize the energy output needed to sustain the water temperature. This results in a water heater offering that is familiar to your customers but more energy efficient than anything on the market.



The system consists of just 3 main components:

A custom designed stainless steel water tank available in 65- or 105-gallon capacities

Dedicated photovoltaic (PV) solar panels with complete racking & harness*

A patented, low voltage DC heating assembly (proprietary heating element + smart controller)

The Apparent Advantage



Offer customers comprehensive services across plumbing, electrical, and solar.



Get included on bids for new developments looking to offer clean tech appliances.



Faster to install and easier to maintain than complicated heat pump systems.



Less red tape and permits needed due to patented low voltage technology.

* Wattage requirements are dependent on the model and water capacity of your customized system



eXeL™ Hybrid Solar Water Heater

Features / Benefits	eXeL™ Hybrid Solar Water Heater	Conventional Electric Tank Water Heater	Electric Tankless Water Heater	Solar Thermal Collector System	Hybrid Heat Pump Water Heater
Sustainable / Green Tech	✓	✗	✗	✓	✗
Simple Installation	✓	✓	✗	✗	✗
Low Voltage D/C	✓	✗	✗	✗	✗
Low Maintenance Needs	✓	✓	✓	✗	✗
Durable / Reliable	✓	✓	✗	✗	✓
Works With 110v A/C Circuitry	✓	✗	✗	✓	✗
New Construction Friendly	✓	✗	✓	✗	✗

Models	65-Gallon	105-Gallon
Parameter		
Capacity	65 gallons	105 gallons
Dimensions (Diameter x Height)	22.1 in x 58.9 in	25.6 in x 70.9 in
Net Weight	106 lbs	148 lbs
Tank Material	Stainless Steel	Stainless Steel
Water Connections (Inlet/Outlet)	1" NPT	1" NPT
Max Operating Pressure	87 psi	87 psi
Tank Warranty	8 years	8 years

Exclusive low voltage DC circuitry:

- Eliminates the need for inverters
- Flexible panel placement; operates in overcast weather / indirect sunlight
- No high voltage certification needed – safe, fast, and easy installation

Electrical + controls

- **Input voltage range:** 12.5VDC to 52VDC
- **DC protections:** 70VDC / 50A fuse
- **Max DC output power:** 1300 W
- **Wireless:** 2.4GHz WiFi 802.11 b/g/n
- **Controls & heating element warranty:** 2 years

Temperature settings

- **Default factory setting:** 125°F
- **Max settable:** 158°F
- **Over-temp protection:** 170°F ± 5°F

Material and compliance highlights

- **Tank construction:** Duplex 2205 or SUS316L stainless steel
- **Heating element:** titanium alloy encasement with proprietary resistive alloy interior
- **Anode requirements:** none (stainless steel and titanium construction eliminates a sacrificial anode)
- **Water safety standards:** US FDA food contact compliant; LFGB pass; WRAS approved
- **Plumbing compliance:** AS 3498-2020; UL 174:2004



Fleet Management for you. Smart App for Customers.

Comprehensive warranty: 10 years (solar panels), 8 years (water tank), 2 years (eXeL system)

Back-up 110v AC power connection comes standard on all models

California Title 20 & 24 Compliant. No utility permits in most cases. No grid connection required.

Become an authorized installer today: sales@apparent.com

