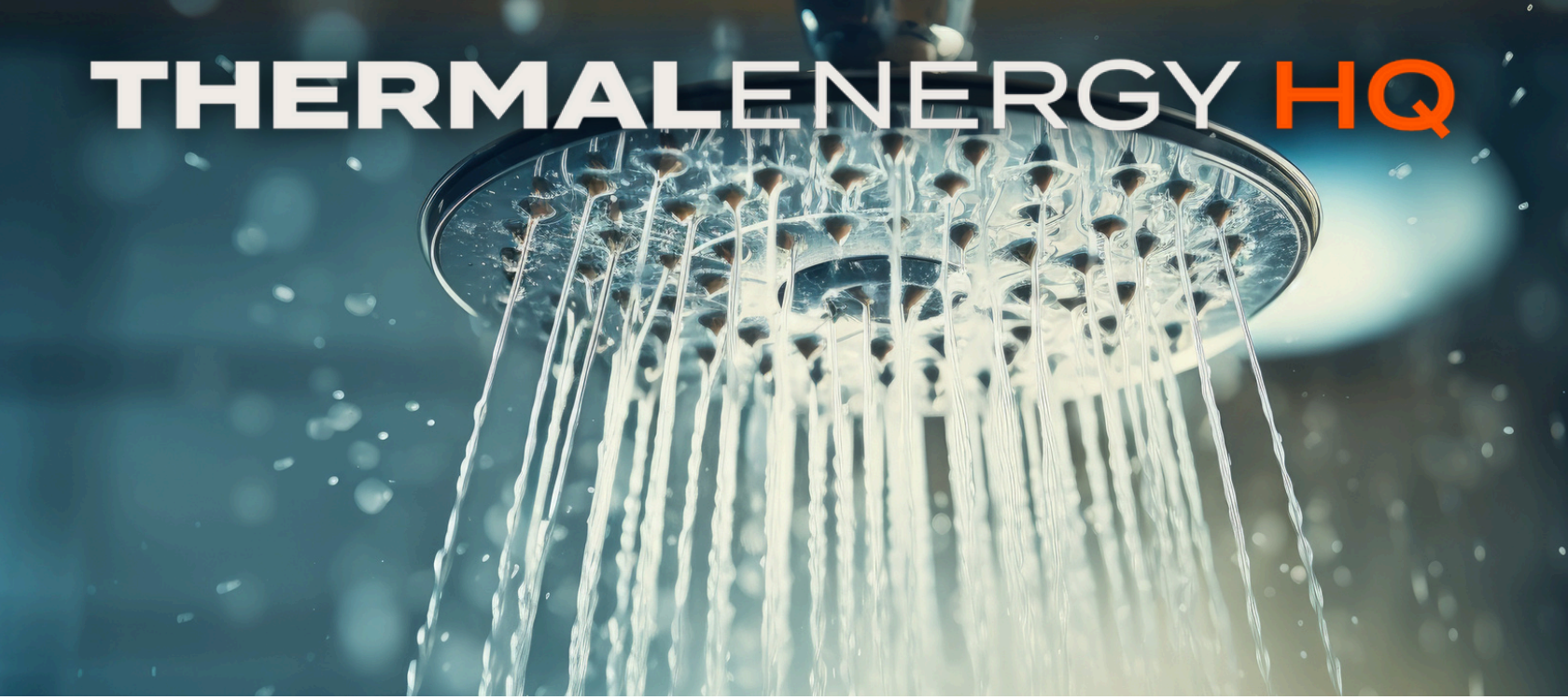


Thermal Tank: The Flexible Thermal Battery

A VERSATILE, HIGH-PERFORMANCE SOLUTION FOR DWH, HEATING & COOLING

- **Charge it your way:** Heat pumps, desuperheater, economizers, renewables—our patented design can be configured with almost any energy source
- **Use it your way:** Hot water, heating, cooling, applications—the tank dispatches the energy for your usage, when you need it
- **Built to perform and last:** Industry-leading insulation (R18), with corrosion-free materials, will outperform conventional steel tanks
- **Smart and efficient:** Recharges when you want - avoid Time Of Use and Demand Charges —some clients see up to 70%+ savings
- **Easy to install & scale:** Lightweight modular components (no part heavier than 15 lbs) make installation possible anywhere—rooftops, basements, even buried underground. Tanks can be easily interconnected for virtually unlimited capacity

The result: A **future-proof energy platform** that adapts as your energy mix, building requirements, and environmental standards change

Our tanks are unpressurized

Replace steel with our 30 year lifespan solution

MADE IN USA

For more information, photos, and videos, please visit: ThermalEnergyHQ.com

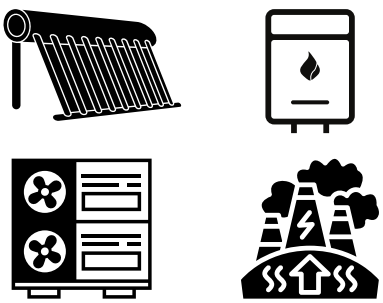
ENERGY SOURCES → TANK → ENERGY USAGE

Directly Connected to Thermal Tank:

- Heat Pump
- PowerPanel PVT
- Chiller
- Boilers

Capture Waste Energy:

- Desuperheater
- Economizer
- HX with Waste Water



- Domestic Hot Water
- Space Heating
- Space Cooling
- Industrial Process

APPLICATIONS

- **Hotels and Resorts**
- **Laundromats**
- **Hospitals and Healthcare Facilities**
- **Agricultural Facilities, Food Processing, and Greenhouses**
- **Breweries**
- **Multi-Family Residential**
- **Commercial Kitchens and Restaurants**
- **Correctional Facilities**
- **Educational Institutions**
- **Military**
- **Senior Care Facilities**

EASY TO CONNECT AND EXPAND ENERGY STORAGE

OUR THERMAL TANK QUALIFIES FOR MULTIPLE INCENTIVES.

See our Energy Incentives page

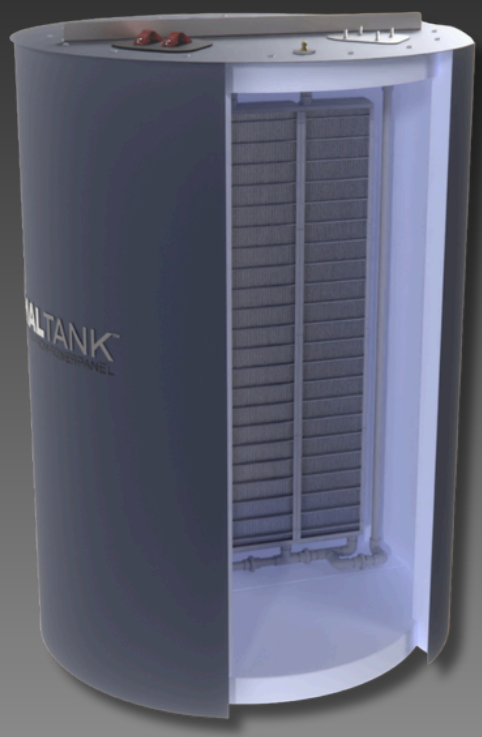
THERMALENERGY HQ

THERMAL STORAGE TANK

Durable EPP foam material--insulation value R18

Outer “hoop” available in custom colors, for blending in with existing architecture

Outer “hoop” material enables 30 year outdoor lifespan



Tank capacities 350, 500, 700 gallons

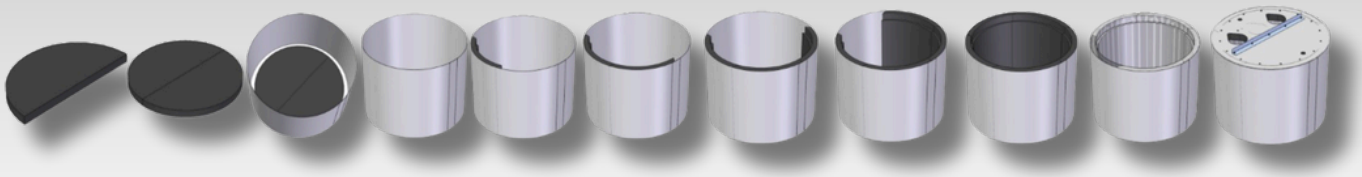
Stores chilled water to 200 F degrees

Tank designed to accommodate multiple, heat exchanger types

Interchangeable liners for safely storing different fluids, depending on the application

Reference part number	PPTS0115.03
Multi-Tank Connection reference part number	PPTS0123.02
Storage volume	350 gallons (1,350 liters)
Diameter	60 inches (1.524 m)
Overall height	49.6 inches (1.259 m)
Weight (no fluid)	114 lbs (51.5 kgs)
Weight (filled with water)	3,089 lbs (1,402 kgs)
Floor Loading (filled with water)	157.4 lbs per sq ft (769 kgs per m2)
Energy storage per °C temperature	1.56 kWh (5,353 BTU)
Energy storage @ 35°C temperature delta	54.6 kWh (186,350 BTU)
Temperature loss- 24 hour (free convection)	2.1°C (3.58°F)
Shipping (volume purchase)	55 Units pr 40 foot ISO container, 7,000 lbs

EASY AND QUICK ASSEMBLY



THERMALENERGY HQ

SUCCESS STORIES

SMARTER HOT WATER IN CALIFORNIA

In a 32-unit low-income housing complex, thermal storage tanks proved game-changing—installed in under an hour, replacing bulky steel tanks, and delivering consistent hot water with dramatically lower energy costs. With a lightweight, corrosion-free design and up to 4X greater efficiency than traditional systems, the solution ensures long-term savings and reliable performance where every dollar counts.

Read More

ENERGY SAVINGS BREAKTHROUGH

In the U.S. Virgin Islands, where electricity costs soar, Bolongo Bay Beach Resort found a smarter way forward. By adopting our innovative solar-thermal technology, the resort slashed its energy bills, achieved net-zero hot water, and is saving thousands every year—all while delivering a better guest experience. Discover how this breakthrough system is redefining efficiency and sustainability.

Read More

"Our Thermal Tank's flexibility is a real asset to system designers and installers as well as building managers."
— Garth Schultz, inventor and founder

ThermalEnergyHQ.com