

# 4ocean Solar Skimmer

## Specifications

**Dimensions:** 32' long x 14' wide x 12'8" high

**Marine-grade aluminum construction**

**Stainless steel hardware throughout**

**6 kW solar panel system with charger / inverter / monitor**

**1/2hp marine-grade motor and reduction drive**

**Stainless steel conveyor belting**

**Pontoons are expandable in 4' sections**

**Treated catwalk decking / removable railing system**

**Remote monitor dumpster system**

**AGM non-maintenance 24v battery system**

**Custom options available per site use**

**Completely modular for easy assembly and shipping**

**Tender service barge / landing craft with twin engines included**

## Function Overview

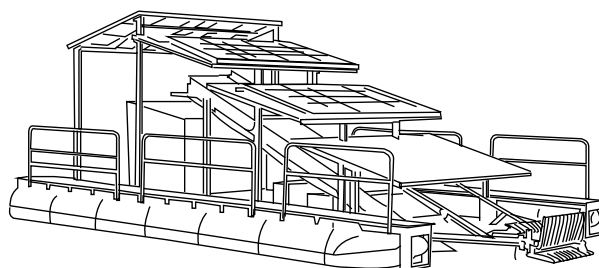
The 4ocean Solar Skimmer is a cost-effective and sustainably produced tool that can help reduce the impact of the marine debris crisis in your community by removing plastic and other debris from waterways in your riverfront, lakefront, or ocean-side properties.

Situated on a pontoon platform, this stationary, floating, semi-autonomous unit uses solar power to collect debris that would otherwise make its way to the ocean. Place it in key locations along waterways using a submerged spud or cable tether system attached to submerged mooring screws; moving water supplies the inflow that the 4ocean Solar Skimmer needs to operate.

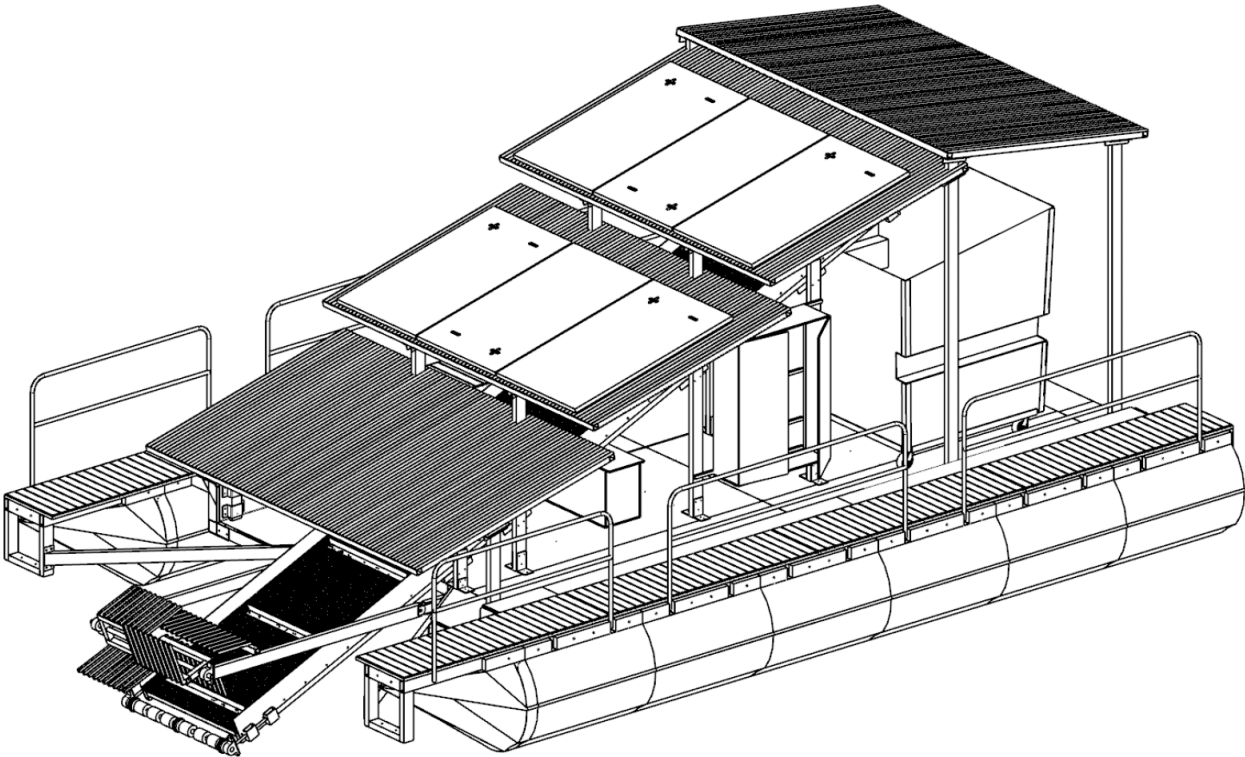
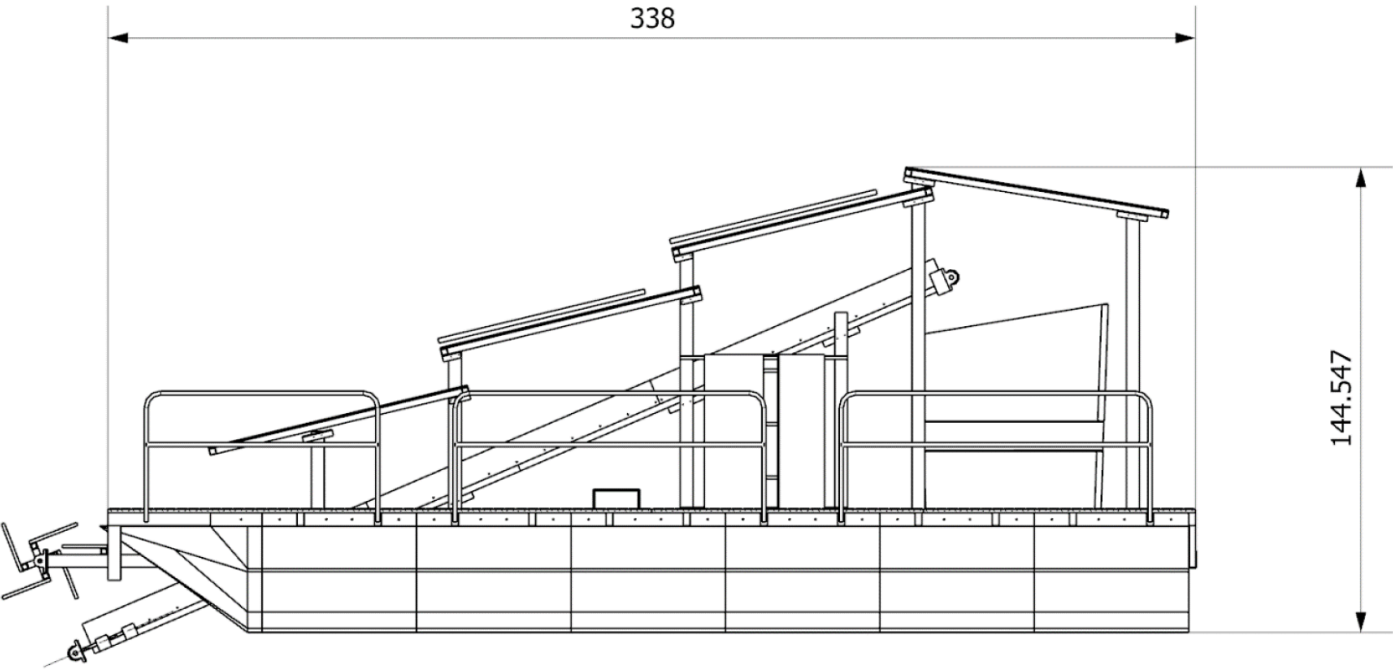
An optional boom connected to the unit helps guide debris onto a solar-powered conveyor belt that leads to a 6-yard dumpster. The drive system is powered by a Fuji drive control motor running on conventional 120v AC power sent from the computer control system. The program can be written on a per-site and install basis (i.e., customize time on, time off, run hours per day, manual switching, overload faults, reverse at overload, etc.)

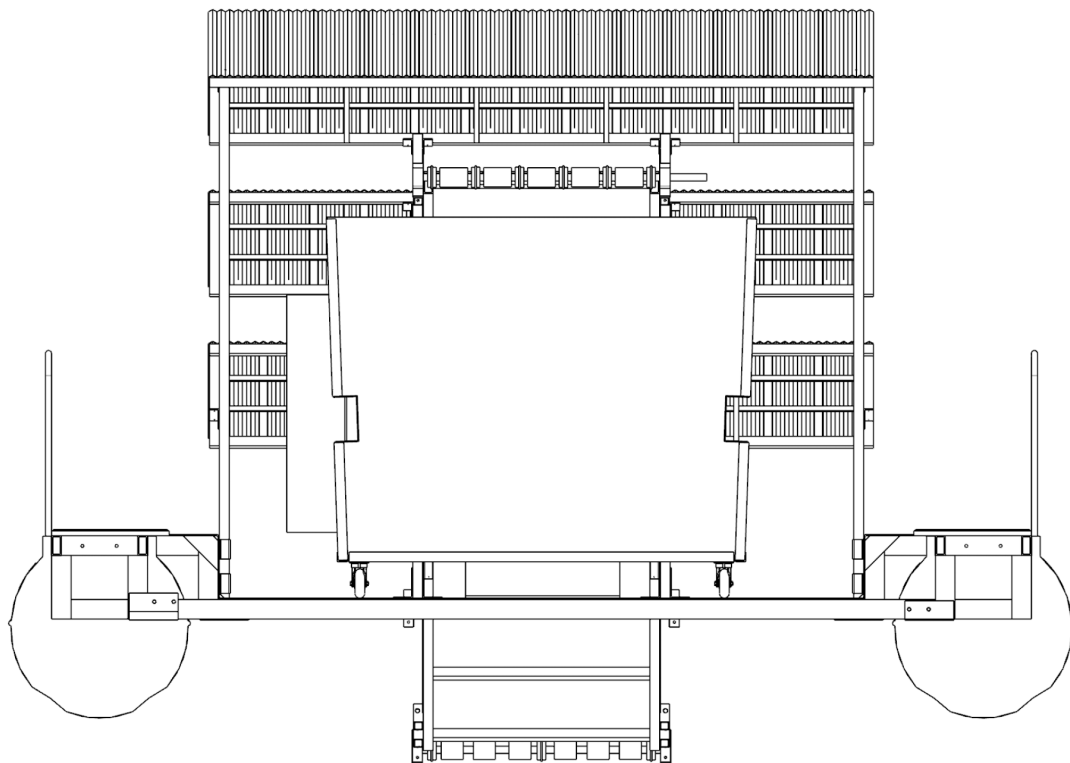
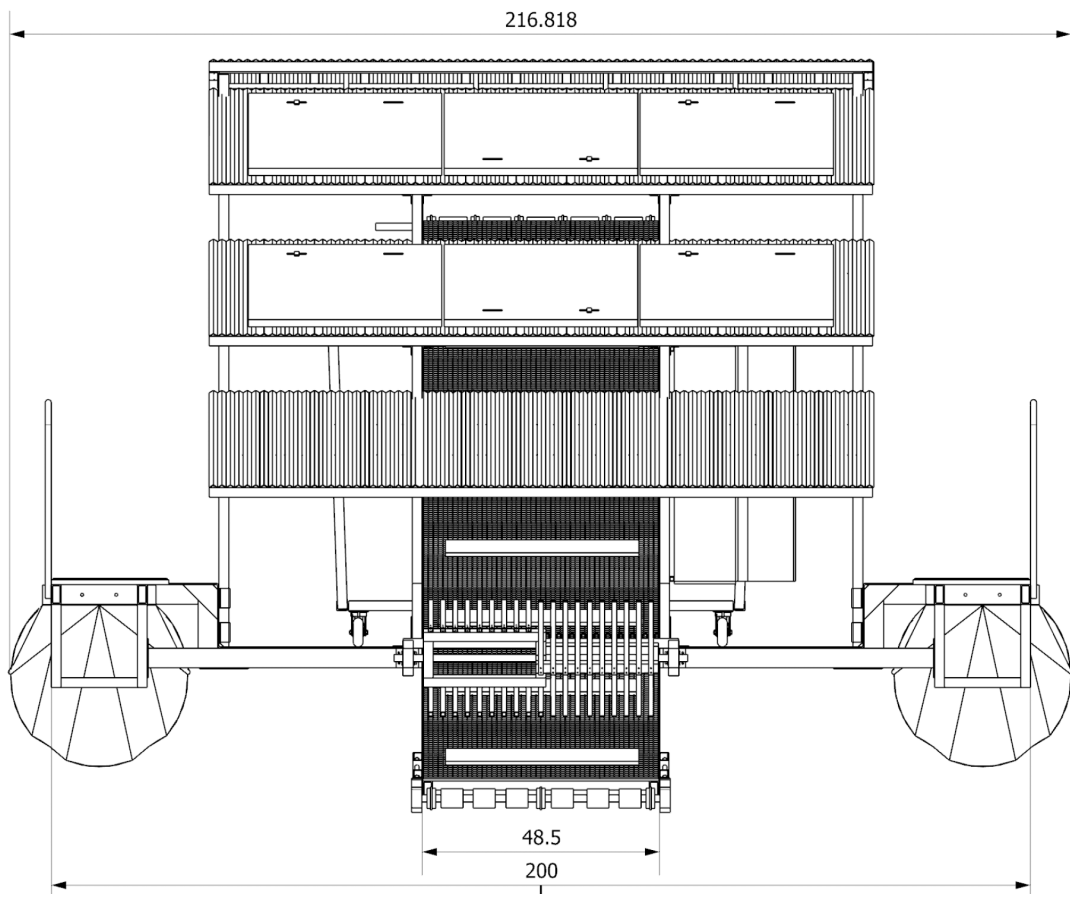
Each unit comes standard with one dumpster camera system for easy remote monitoring (based on availability at installation site location). The seeing eye can be set to take a photo of the dumpster's contents at scheduled times throughout the day. If WiFi is available, the Solar Skimmer can be monitored remotely using live-stream cameras.

Full waste receptacles can be serviced and replaced by a custom one-man tender barge and transported to a municipal offload site to be processed and recycled. Receptacles are specifically designed so a one-man operator can offload the full bin and onload an empty bin simultaneously. The one-man tender barge is included with the purchase of a 4ocean Solar Skimmer.



Solar Skimmer





Tender Barge

