

Ice Ice Maybe 2023 Solar Ice Production and Power Report

Video Walkthrough of Solar Ice Factory:

<https://www.youtube.com/watch?v=3S0cNhsHE9w>

I'm not sure how many people were prepared for the whole thing to work, but it did. We couldn't have accomplished it without the generosity of our donors and the hard work of many Ice Ice Maybe campers on and off playa. Thank you!

We made 300 lbs of solar powered ice on playa and powered the entire camp off solar (except for some generator use during build). At peak solar hours, we were generating 1.6kW of power. We had enough juice to power and supply ice for our Sun Spun Smoothie events (3 days x 2 hour events). Could it have worked better? Yes. We could have made more ice and generated more power and been smarter about conserving power. We were never able to keep the batteries charged and one of the things we didn't take into account was nighttime power draw - which came out to an approximately 600w draw with all our lighting, phone chargers and a CPAP machine.

Improvements for 2025:

- More panels to fully charge the batteries
- A fridge so we don't have to waste precious ice keeping things cold - ice should be for fun.
- Outlet timers to turn lights off at 2am

Equipment:

1x [EG4 3kW Off-Grid Inverter | 3000EHV-48 | 3000W Output | 5000W PV Input | 500 VOC Input - Signature Solar](#)

6x [REC 355W Solar Panel 120 Cell REC355TP4 Clearance – A1SolarStore](#)

2x [SOK 48V 100Ah PRO Server Rack Battery - User Serviceable | Current Connected](#)

Pics:









