

We Care Solar

the power to save lives



Our **Solar Suitcase** brings light and power to health care workers around the world, allowing them to assess emergencies and administer timely care using dependable lighting and communications technology. It's portable, safe, efficient and makes solar power simple enough for anyone to use.

www.wecaresolar.org



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THE PROBLEM

There are 300,000 health facilities around the world without reliable electricity. Imagine trying to give birth in utter darkness or performing surgery under a kerosene lamp. The consequences are often tragic. Lives would be saved if reliable electricity was available.

OUR MISSION

We Care Solar's solutions provide reliable electricity for humanitarian purposes. We focus on maternal health clinics in the developing world where pregnancy complications claim the life of a mother every 90 seconds.

HISTORY AND PURPOSE

Drs. Laura Stachel and Hal Aronson founded We Care Solar in 2009 after Laura's research in Northern Nigerian hospitals revealed that many maternal and neonatal deaths resulted, in part, from a simple lack of electricity and light. Mothers would arrive at labor and delivery with pregnancy complications requiring emergency treatment. Without power and light, these women would fail to get the life-saving services they needed.

LOCATIONS AND PROJECTS



Over two years of pilot projects, including a WHO sponsored program in Liberia and emergency deployments in earthquake stricken Haiti, the Solar Suitcase was developed and refined into a working product that can be installed, used and serviced locally. Today, We Care Solar has equipped over 80 facilities around the world with Solar Suitcases.

IMPACT AND SUCCESS



Our field research has demonstrated that the Solar Suitcase improves clinical and surgical care. Patients receive more prompt diagnosis and treatment for their complications, health care workers are more confident in their jobs and mothers are no longer being turned away during labor, leading to fewer maternal deaths.

THE SOLAR SUITCASE

The Solar Suitcase is a portable 40 watt, highly efficient stand-alone 12V DC solar electric system designed for rugged and remote off-grid locations. The suitcase comes with LED medical task lighting, a universal cell phone charger, a battery charger and two outlets for charging external devices. It can be used as an independent power supply or as a back-up source of electricity for locations with intermittent power.

KEY DESIGN FEATURES

- » All-in-one system ships ready to provide power.
- » Sealed batteries and low-voltage DC system avoids shock hazard.
- » No battery maintenance required.
- » One button plug-and-play system expands to accommodate larger batteries (up to 140 amp-hour) and panels (up to 200 watts)
- » High quality components are made to withstand harsh environments.

PARTNERS AND RECOGNITION

