

**Espay Solar Energy S.L.**

# **Solar sheep farm self-generated electricity**



## Overview

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Solar grazing is an innovative practice gaining momentum across the United States, where sheep graze beneath and around solar panels on solar farms. Solar shepherds, who manage sheep grazing under solar panels, are part of a growing movement that combines agriculture and renewable energy — and offers high incomes in the process. My recent study, conducted with Ivey Business School alum Adam Gasch and professional shepherd Rafael Lara from The. Adam Sotirakopoulos, Enel North America's Head of Operations & Maintenance for Solar (Zone 1), reflects on the story behind our sheep grazing program—recently named a Fast Company World Changing Idea. Traditionally, the installation of large-scale solar farms has been seen as a use of land that excludes other productive purposes, sparking concerns about competition between renewable. That 200-acre expanse is Montgomery Sheep Farm, an agrivoltaics and agritourism operation. Owner Joel Olsen is a pioneer of solar energy production in North Carolina. He started in 2009 with his company O2 emc, which has grown into multiple companies under O2 Group Ventures, an entity that manages. Discover how solar grazing with sheep supports renewable energy, improves soil health, and benefits farmers, as practiced by the American Grassfed Association producers. It's called solar grazing, and it's becoming the most widespread form of agrivoltaics in America.

## Solar sheep farm self-generated electricity



### 'Solar Shepherds' Earn Big by Grazing Sheep on Solar Farms

Solar shepherds, who manage sheep grazing under solar panels, are part of a growing movement that combines agriculture and renewable energy -- and offers high incomes in the process.

### American Solar Grazing Association

Join our unique solar grazing community that connects farmers and solar companies to access key resources and technical assistance. Learn from those working at the cutting edge of solar ...

 TAX FREE

   

**Product Model**  
HJ-ESS-215A(100KW/215KWh)  
HJ-ESS-115A(50KW 115KWh)

**Dimensions**  
1600\*1280\*2200mm  
1600\*1200\*2000mm

**Rated Battery Capacity**  
215KWH/115KWH

**Battery Cooling Method**  
Air Cooled/Liquid Cooled



**ENERGY STORAGE SYSTEM**



### Solar grazing: 'triple-win' for sheep farmers, renewables and society

Solar grazing is the practice of using sheep to manage vegetation on solar farms. Panels need grassland beneath them. On a typical site, that means tens of acres of grass that needs mowing

### Behind America's Largest Solar Grazing Agreement

Enel's award-winning solar grazing agreement puts 13,000+ sheep managing vegetation on solar farms, embracing agrivoltaics at industrial scale.



### **Agrivoltaics paired with sheep production makes nearly 100% of ...**

"Agrivoltaic sheep are a simple and easy solution for the co-existence of agriculture and solar energy on Canadian farms. The sheep like the shade, plus the solar panels increase grass yield and protect ...

### **Solar Grazing with Sheep -- A Win-Win for Renewable Energy and**

Solar grazing is an innovative practice gaining momentum across the United States, where sheep graze beneath and around solar panels on solar farms. This dual-use approach not only supports clean ...



### **Sheep Solar Grazing: How Farmers Are Powering Renewable Energy ...**

Across the U.S., flocks of sheep are quietly rewriting the story of renewable

energy. Instead of diesel mowers and chemical sprays, solar companies are hiring farmers to graze sheep ...



## Envisioning solar-powered electric sheep , USA Solar Cell

In this article, we will explore the practicalities and potential advantages of combining sheep farming with solar energy generation, highlighting case studies and expert insights that ...



## Sheep and Solar: A Perfect Match , PBS North Carolina

A farm in Biscoe, NC, generates renewable energy while its sheep keep the grass trimmed without gas-powered machinery, a win-win for climate change resilience.

## The Bright Future of Agrivoltaics: Harnessing Solar Power and Sheep

One of the most successful and scalable applications of agrivoltaics is solar grazing with sheep. Instead of relying exclusively on mechanical mowing,

herbicides, or bare ground beneath ...



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