

CASE STUDY FOR FREUND FARM 224 kW



Customizing Install:

The system was designed in conjunction with the building of the new milking barn. Their Dairy Farm includes the latest technology of robotic daily milking. This high tech barn saves manpower and increases milk production. Since this was a new build we were able to efficiently design the system to make sure the solar components were not interfering with the facility's operations. We carefully took into account the interconnection details as the existing service was expanded to provide power to the new barn.

System Specifications:

- (699) SolarWorld SW 320 Mono solar modules. Made in the USA.
- (7) SMA Sunny TriPower 24000TL-US inverters each with 1000-US integrated DC disconnect. Made in the USA.
- Used Unirac's Solar Mount racking system with S-5! VersaBracket as the attachment to the roof and framing.
- 14,387 Square Footage.



Results:

The end result was a 224 kW roof top solar PV system that will significantly help run the farm's brand new milking barn using green, clean electricity. By going green, Freund Farm spares 272,890 pounds of CO2 emissions per hour compared to natural gas use.

