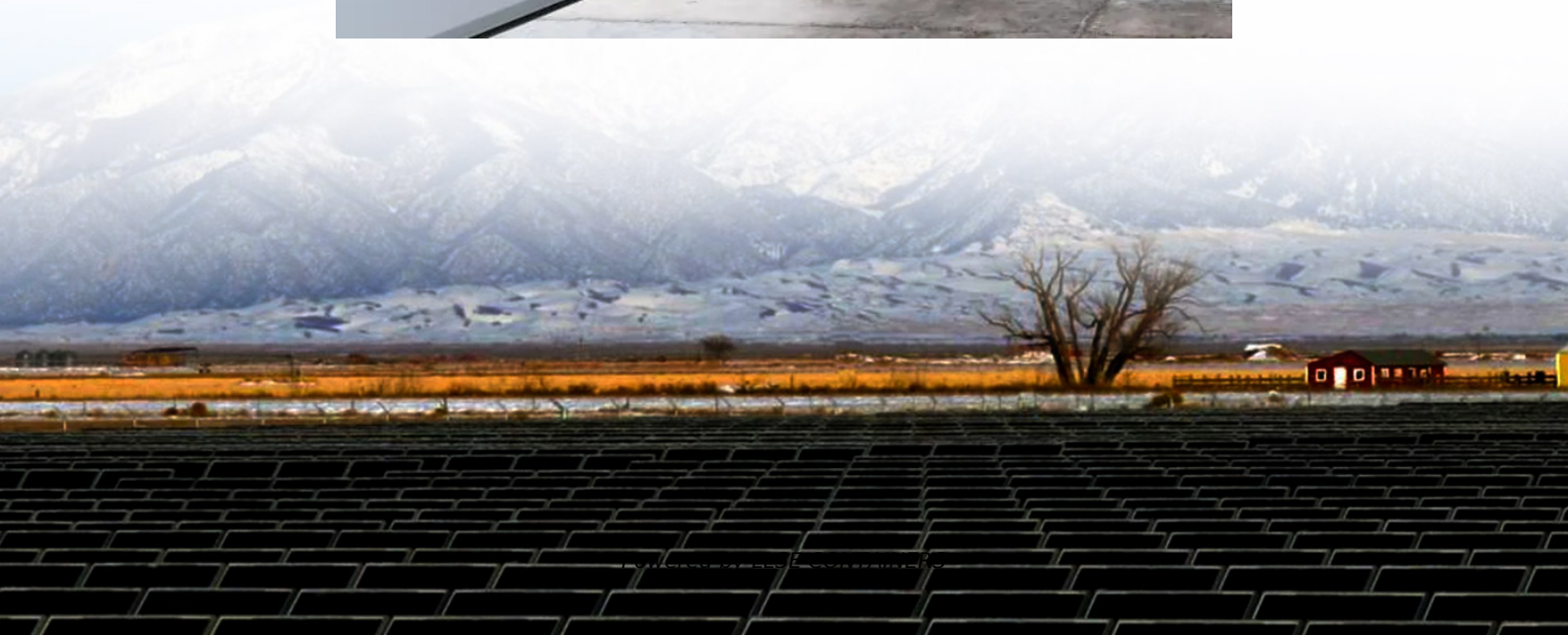


Solar Pulley System





Overview

What is described in the text?

The text discusses a pulley system; specifically, it mentions two cords and their time derivatives, as described in Eqs. (3) and (4).

How does a PV module work?

The device uses your existing fiberglass Werner or Louisville extension ladder. A pulley system is attached to the top of the ladder. A patented module “hook” attaches to the edge of a PV module frame and prevents lateral sliding of the module in the hook. An operator pulls the rope to raise the module.

How does a ladder pulley work?

“Ramps” allow the module to slide over any discontinuities in the ladder surface (e.g. the step between sections in the ladder). The pulley assembly includes a brake that prevents the module from sliding back down the ladder in case the bottom operator releases the rope too soon.

How does a Solmetric module lift work?

The Solmetric Module Lift is designed to safely and quickly transport a PV module to a roof. The device uses your existing fiberglass Werner or Louisville extension ladder. A pulley system is attached to the top of the ladder. A patented module “hook” attaches to the edge of a PV module frame and prevents lateral sliding of the module in the hook.



Solar Pulley System



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