

Embedded, Multi-Function MPPT for Smart Solar Modules

Project Summary

Uplift embeds smarter power electronics inside solar panels. Our patent-pending technology enables embedding and reduces upfront costs.

With Uplift, portions of a module that are partially shaded/covered will contribute some energy, increasing lifetime yields by 4-10%.

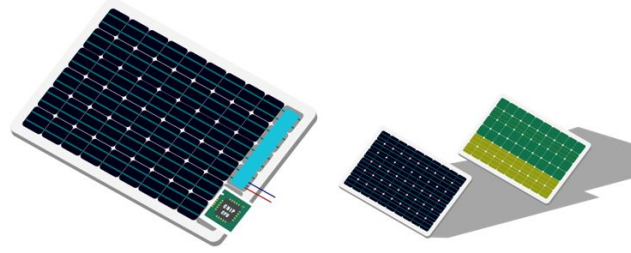
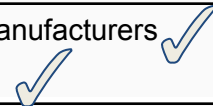
Additionally, we generate monitoring data and satisfy NEC fire-safety requirements. Because Uplift is software-defined the device can be upgraded in the future.

Personnel/Partners

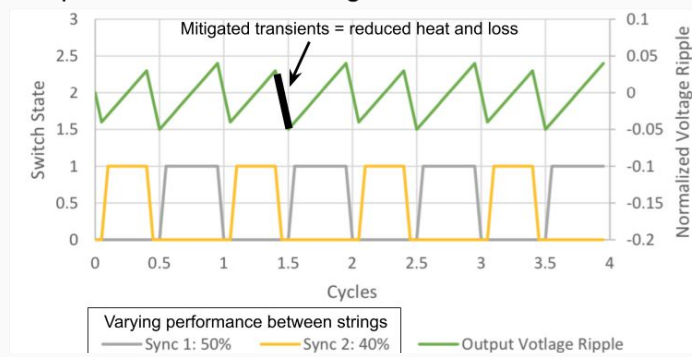
Darius Roberts - President / Sales
Eric Bechel - Director of Engineering



MOUs with 3 US Solar Manufacturers
Existing Proof-of-concept



Uplift's Timed Cell-String Phases



Proof-of-concept

Refined prototype
validation of key features and
characteristics

Ready! Set! Go! IEC testing

Embeddable
Prototype

Product embedded in partner's
module; sales; IEC testing begun