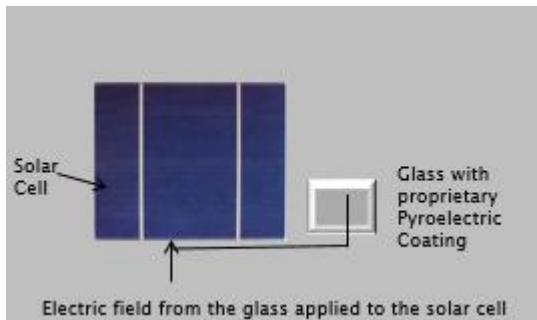
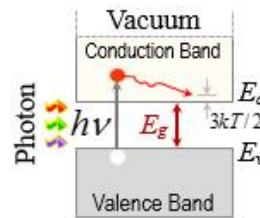
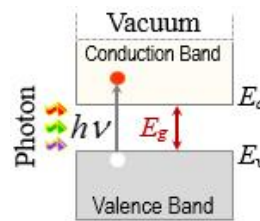


DELIVERING OVER 10-15% MORE BOOST POWER FROM A MODULE

Pyroelectricity Generates Pulses to

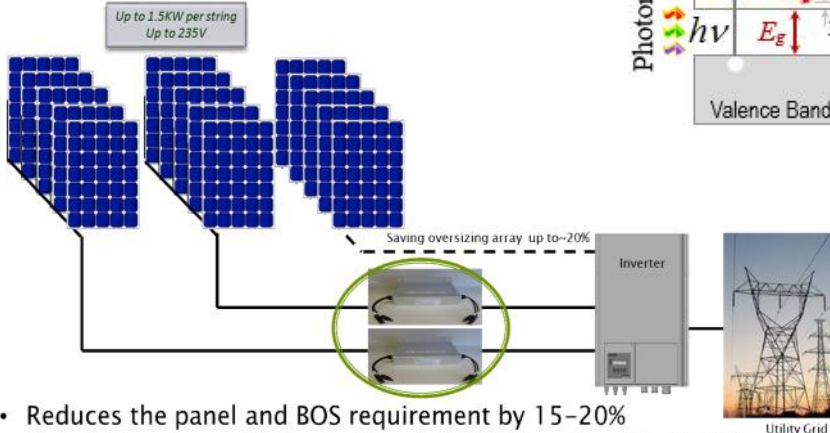


Harvest Hot Carriers



Operational Explanation

1. High frequency electric pulses are generated by the Pyroelectric material coating on the glass inside the device
2. These pulses are sent to the solar panels through standard cables using a proprietary technique
3. The high frequency pulses at the solar panel electrodes attract Hot electrons which otherwise do not get captured at the electrode
4. Current increases
5. Increased current is sent back to the inverter via the QB 1500 box



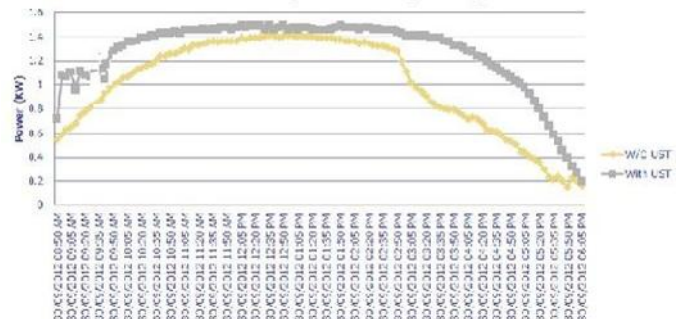
- Reduces the panel and BOS requirement by 15-20%
- Calculation shows 13% reduction in LCOE (Levelized Cost of Energy)

* Assumes the inverter converts additional DC without losses

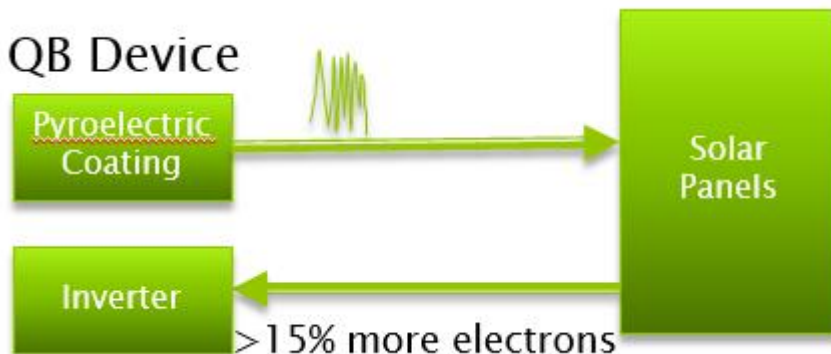
QuantumBoost™ in a system

Field Data

Whole day 2KW String Study



Operational Schematic



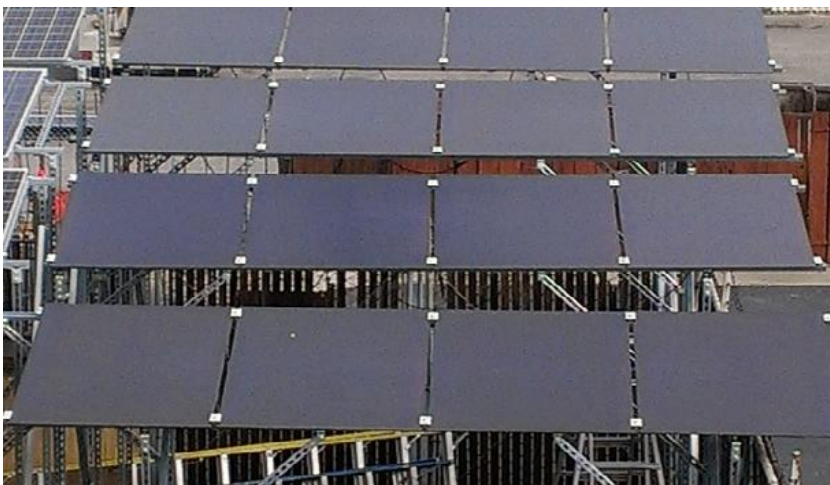
A QUANTUM LEAP IN BALANCE OF SYSTEM PERFORMANCE FOR THE SOLAR INDUSTRY

DELIVERING OVER 15-20% MORE BOOST POWER FROM A MODULE

Interaction with Mono-Si Modules



Interaction with Poly-Si Modules



Interaction with Amorphous-Si Modules