

DESERT SAND:

- Albedo 22-25%
- Expected yield gain 10-12%



GREEN GRASS GRAVEL:

- Albedo 10-20%
- Expected yield gain 6-7%

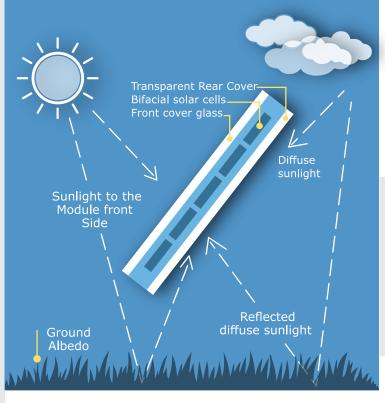


SNOW/WHITE PAINT:

- Albedo 80-95%
- Expected yield gain 15-25%



Bifacial modules can melt snow much faster than Monofacial modules





Higher energy yield with same area



Lower LCoE than standard modules



Accumulated snow over Bifacial module melts faster than Mono-facial module



Lower Power degradation



Higher IRR (Internal Rate of Return)



Variation in rear irradiance per cell doesn't lead to increased risk of hot spots BIFACI







WHAT IS BIFACIAL SOLAR PV MODULE?

Bifacial Modules are Solar Panels that can produce power from both sides; front and rear side through utilizing the reflected and diffused solar radiation. Snow is proven to be a superior surface reflector for Bifacial modules.

Power gained by Bifacial Solar Module varies depending on the reflectivity (Albedo) of the surface being installed on. Generally, it could reach up to 25% in high reflecting surfaces.

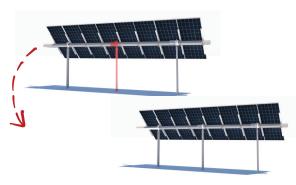
TRANSPARENT-BACKSHEET





-20% Labor Costs Related to Module Installation

DUAL-GLASS



More Installation Cost and require special installation clips

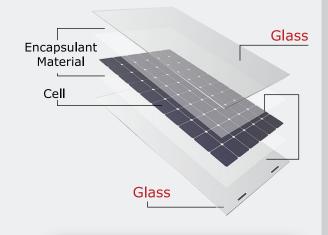


More Labor Costs Related to Module Installation

GLASS-TO-GLASS BIFACIAL MODULE (G-G)



GLASS-BACKSHEET BIFACIAL MODULE (G-BS)





Heavier than Glass-Backsheet



less convenient transportation and carry due to fragility of the glass



Limited mounting solutions



More breakage in transportation and installation

