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Title: Perc shingled components

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What is the difference between PERC & shingled emitter?

By integrating the PERC (Passivated Emitter and Rear Cell) technology with the Shingled Emitter design, PERC SE cells achieve superior efficiency and reliability. PERC technology reduces electron recombination losses through a passivated emitter and rear layer, while the Shingled Emitter design segments the cell into overlapping strips.

What is G12 PERC shingled technology?

G12 PERC Shingled Technology provides ultra-high efficiency with better performance in low irradiation. Maximizes installation capacity in limited space. Both LID (Light Induced Degradation) and PID (Potential induced Degradation) are strictly eliminated to ensure higher actual yield during lifetime.

What is shingled-cell interconnection?

In contrast to conventional solar modules, shingled-cell interconnection requires no ribbon or wire. Solar cells are interconnected directly within a small overlapping area, in a similar way to that of roof tiles. Such interconnection is realized in four steps: Lamination (with integrated curing)

What is shingled technology?

Hyundai Solar's HG series photovoltaic solar panels (HIE-SxxxHG) are the latest generation high efficiency modules that exploit PERC SHINGLED technology. G12 PERC Shingled Technology provides ultra-high efficiency with better performance in low irradiation.

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