192R-N-Type 16BB Mono TOPCon Bifacial Solar Cell

Which bifacial factor is better n-type Topcon solar cells?

The reflectance and transmittance of n-type modules with glass/glassstructures can maximize the higher bifacial Factor advantage of n-type TOPCon cell,providing approximately 10W more,as compared with glass/transparent backsheet modules using the same n-type TOPCon bifacial solar cells.

How efficient are Topcon solar cells?

Due to the potential for high theoretical limit efficiency as high as 28.7%and low cost ,TOPCon solar cells have become one of the prospective technologies in the photovoltaic (PV) market . At present,the highest efficiency for n-TOPCon has achieved 26.4% on an area of 330.15 cm 2 at JinkoSolar .

How efficient are Topcon bifacial cells?

After optimizing the passivation process,the industrial-grade TOPCon bifacial cells reached an efficiency (Eff),Voc,Jsc,and FF values as high as 25.4%,721 mV,42.2 mA/cm 2,and 83.5%,respectively. 1. Introduction

How efficient are N-Topcon solar cells?

Cells with J0,n+?5 fA/cm 2 (50 nm) and Jo,metal,n++?73.8 fA/cm 2 (110 nm) exhibited the efficiency gain of 0.12%. A pilot efficiency >25.4%of cells treated with optimized passivation process. Improving the conversion efficiency of n-TOPCon solar cell is still a hot topic.

How are bifacial solar cells encapsulated?

Bifacial solar cells can be encapsulated in modules with either a glass/glass or a glass/transparent backsheet structure.

Why are n-type bifacial modules so popular?

Interest in N-type bifacial modules has rapidly increased due to their ability to generate more powerthan conventional P-type bifacial thanks to their higher bifacial factor,lower degradation,lower temperature coefficient in addition more energy density and power class.

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