

Double-glass components are deformed in the middle when laid flat





Overview

What is the maximum deformation of a double glass module?

The maximum deformation of long side is tested according to the mechanical load of +5400 Pa for DH1000h, and -5400 Pa for DH2000h. Test result is that double glass module has no problems such as bubbles and delamination after tested under the condition of distortion +DH2000h, and the power loss is 2%.

What is a double glass module?

Double glass module contains two sheets of glass, whereby the back sheet is made of heat strengthened (semi-tempered) glass to substitute the traditional polymer backsheet. With * Corresponding author. Tel.: +86 13776101913; fax: +86 51268961413.

Why is 2mm glass more fragile than thicker glass?

Although 2-mm glass can be fully tempered for increased strength, it is naturally more fragile than thicker glass. The reduced thickness affects how glass distributes stress, making it more prone to cracking due to minor defects.

Does double glass module have bubbles and delamination?

The test result (Fig. 5) shows that the double glass module has no obvious appearance abnormalities such as bubbles and delamination after this sequence test, and the power loss of the module is smaller than 5%. Jing Tang et al. / Energy Procedia 130 (2017) 87–93 J. Tang et al. / Energy Procedia 130 (2017) 87–93 Fig. 5.



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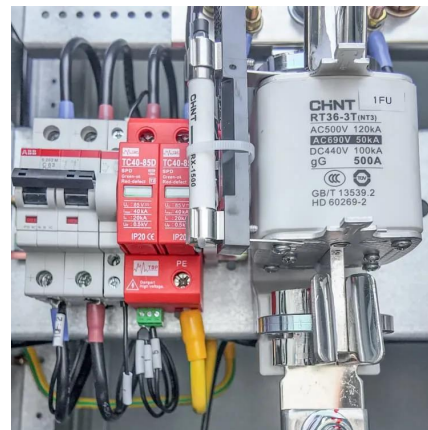


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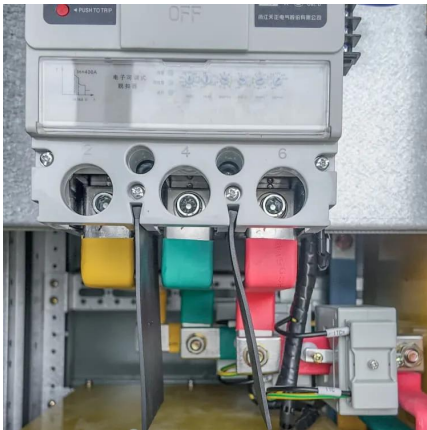
The high level of stress and dimension deviation induced by glass molding are the main causes of the low yield rate of large, irregular glass components on vehicles.





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