

Titania's technology for the improvement -2

*High Reflection Effect

Titania's High Reflection and High Transparent Technology

- Titania's HR and HT Technology is not only for the face(or surface) glass of Photovoltaic device, but also be able to use it for the part that closely relates to the power generation body.
- Titania's HR and HT Technology is Neutral moisture coating titanic liquid for coating.
- It is the first technology in the world that has the multi-function of “High reflectivity” “High transparency”, and “Surface Anti-fouling (electrostatic repulsion) :as option”.
- Therefore, this material enables continuous light's reflectivity maintenance, and this material can be used for the inside and outside of the device.

Usage of Titania's HR and HT Technology

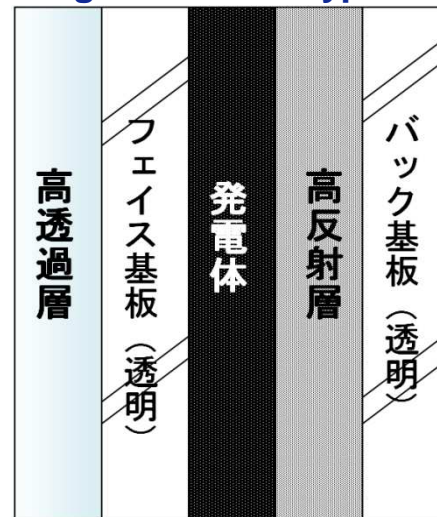
1.PV

- Crystal Silicon type
- aSi thin film type
- both single junction and Tandem
- CdTe and other compound type
- Organic type and other next technology

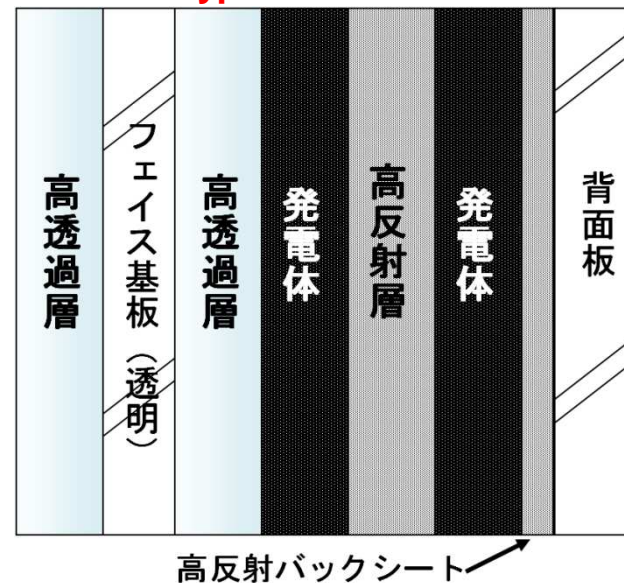
2.Transparent Optical element

3. Transparent Mirror and etc.

Single Junction Type



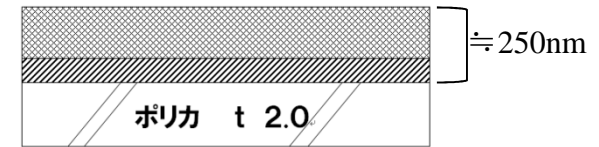
Tandem Type



Basic Performance

- Poly-carbonate t: 2
- Fixed Temperature: 120°C - 30min

HR and HT titania coating ⇒
Primer ⇒



高反射透明膜(片面造膜) 透過率・反射率

