

Cleaning DSM anti-reflective coating coated glass in DMEGC solar modules

1 Scope

This manual is suitable for all DSM anti-reflective coating coated glass (DSM AR glass).

2 Cleaning materials and cleaning liquid

2.1 Cleaning materials: non woven fabric or polyurethane sponge (density: 10~50 g/cm³).

2.2 cleaning liquid:

2.2.1 alcohol.

2.2.2 water.

2.2.3 sanitizer or detergent dissolved in water, diluted to a 0.5 wt% solution with a pH value of 6.5~7.5.

3 Cleaning methods

3.1 For greasy stains or fingerprints on DSM AR glass, the surface contaminant can be wiped off by non woven fabric or polyurethane sponge dipped with alcohol.

3.2 Light dust or other water soluble contaminant can be cleaned with a non woven fabric or polyurethane sponge soaked in water of 20°~30° C.

3.3 For very polluted glass, the non woven fabric or polyurethane sponge is first soaked in water of 20°~30° C. Then 2~10 ml of cleaning liquid (see above) is applied to the polluted parts of the glass. Rub for 5~10 min..

Apply another 2~10 ml of cleaning liquid and rub again, when necessary.

Rinse the surface with clean water afterwards.

4 Check the cleanliness

Check the surface of DSM AR glass under good lighting conditions to verify it's cleanliness. If still polluted, the cleaning should be repeated until fully clean.

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