



Figure 22.40 BP Solface vertical wall system at the Demosite in Lausanne (CH). Reproduced with permission by EPFL-LESO-PB



Figure 22.41 ADO louver system with integrated transparent PV modules at an apartment building in Amersfoort Nieuwland (NL). The automatic louvers can switch in two positions. The horizontal position at night (left on the figure) and tilted to the sun by day (right on the figure). Reproduced with permission by BEAR Architecten T. Reijenga

the wavelengths that are reflected. The darker the cell looks, the less light that is being reflected. Therefore darker means more absorption of sunlight by the solar cell.)

Polycrystalline silicon wafers are manufactured with a lower cost process than monocrystalline silicon wafers. They are cast in long square ingots. After slicing, polycrystalline wafers are already in the desired square shape. Compared to monocrystalline cells, polycrystalline cells also typically have a bluish color and are the same size, but are slightly less efficient and slightly of lower cost. The main difference between mono and poly wafers as might affect their application for BIPV is their visual