

Dc solar system for home

Standard solar panels are heavy. Not in the least because of their thick glass plate on the front, clamped with the cells and backside in a massive, sturdy frame. OK, let's rethink that! DC Solar Systems DynamIQ is a unique, lightweight solar panel. The innovative structure meets a variety of demands. A challenge for our researchers turned into an opportunity for all constructions that in the past were not designed for PV implementation.

More net surface to generate power Each solar cell converts sunlight into electricity. PERC monocrystalline cells are known for their broader spectral response, allowing them to generate lots of power in the early morning and late afternoon light as well. Combined with MWT (Multi Wrap Through) technology, the cells have a larger working surface that is exposed to the sun than conventional cells. Busbars are unnecessary. Above all: busbar-shading is completely ruled out!

Significantly more yield over the entire lifespan Due to technological advances in cell design and cell performance, LID impact on our DynamIQ modules is exceptionally low. So yield over the entire lifespan is significantly enhanced. LID is the effect that occurs as soon as the panel is connected, the cells have to "warm up" in the broad daylight for a bit before reaching the optimum yield.

An enormous performance, based on the "ZEBRA" IBC (Interdigitated Back Contact) technology by ISC Konstanz. "Europäische Spitzentechnologie"; available this year.

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