CLAIMS

[CLAIM 1] A solar panel at least comprising:

a lap joint plate is provided with at least one flat portion and a plurality of protruding portions, said flat portion is arranged between adjacent two protruding portions, the two protruding portions located at both ends of said lap joint plate is used to overlap the protruding parts of the adjacent lap joint plates, the height of said protruding portions are all higher than said flat portion; and

at least one solar chip set is arranged above said flat portion, an insulating layer is provided between said solar chip set and said flat portion of lap joint plate, said insulating layer is respectively stuck to the bottom of said solar chip set and the top of said flat portion; a light-concentrating layer is arranged above said solar chip set, the bottom of said light-concentrating layer is stuck to the top of said solar chip set, a plurality of light-concentrating grooves are arranged above said light-concentrating layer; a glass plate is arranged above said light-concentrating layer, the area of said glass plate is larger than the area of said solar chip set and light-concentrating layer, said solar chip set and light-concentrating layer are located in the center of said glass plate, and the bottom of said glass plate is stuck to the top of said light-concentrating layer; a sealant is arranged between the outer periphery of said glass plate and said flat portion of lap joint plate, said sealant makes said glass plate and said flat portion of lap joint plate adhere to each other, so that said glass plate directly bears the deformation and stretching of said lap joint plate, said glass plate is used to support and protect the solar chip set to prevent said solar chip set from being damaged by the deformation and stretching of said lap joint plate, and said sealant seals said solar chip set and light-concentrating layer between said glass plate and insulating layer to prevent said solar chip set from contacting with external moisture.

[CLAIM 2] The solar panel according to claim 1, wherein said light-concentrating layer is made of light-transmitting material.