

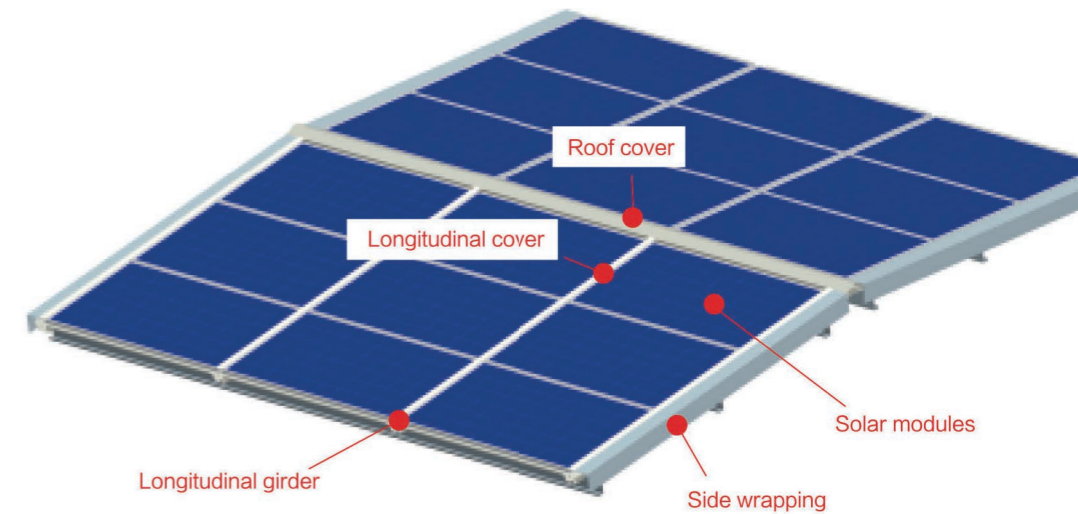


## BIPV

The BIPV scheme uses solar modules as the roof, the longitudinal girder as the main support of the whole system and has the function of collecting rainwater and introducing the drains; the lateral water tank between the two adjacent solar modules has the discharged function of collecting rainwater along with introducing the longitudinal girder. Solar modules are arranged laterally on adjacent longitudinal girders and fixed by screw bolts and briquettes, and above longitudinal girders are used to reduce the inflow of rainwater and dust, and to avoid blockage in the longitudinal girders.

Currently, the typical life of colored steel roofing tile on the market is about 15 years. In year 2010, large-scale

corrosion will occur, causing water leakage and affecting the normal production of enterprise. The operation period of the distributed PV power station is 25 years. If choose to build a power station on the roof of the new colored steel tile, you should replace the colored steel roofing tile at least once during the whole operation period, which will increase the expenses of operating in the later period. The replacement of corrosive colored steel roofing tiles will increase the initial investment, and will also replace the colored steel roofing tile during the later operation period, which will increase operating expenses. For this problem, the BIPV solution proposed by Jingda technology will completely solve the problem of roof leakage, ensuring no water leakage risk during the 25-year operation period of the power station.



## Technical Parameters

INSTALLATION SITE	Factory building, carport, winter garden	SOLAR MODULE SPECIFICATION	Regular solar module (with frame)
INSTALLATION ANGLE	5° ~10°	SOLAR MODULE LAYING METHOD	Horizontal / Vertical
FIXING WAY	Technical screw-nut (Non-porous fixing)	MATERIAL	Zinc-Aluminum plated, Aluminium alloy

## Technical Superiority

- Long lasting, No need to replace colored steel roofing tie during PV life, Solved the problem of roof waterproofing
- Modular installation, Used marketing regular solar module  
Large installed capacity, 20% larger than the capacity of normal installation
- Wider application
- Reduced the investment cost of colored steel tile



## System innovation



### Non-porous design

Grider/Beam does not need to be punched, Non-porous, More secure waterproof, More stable structure



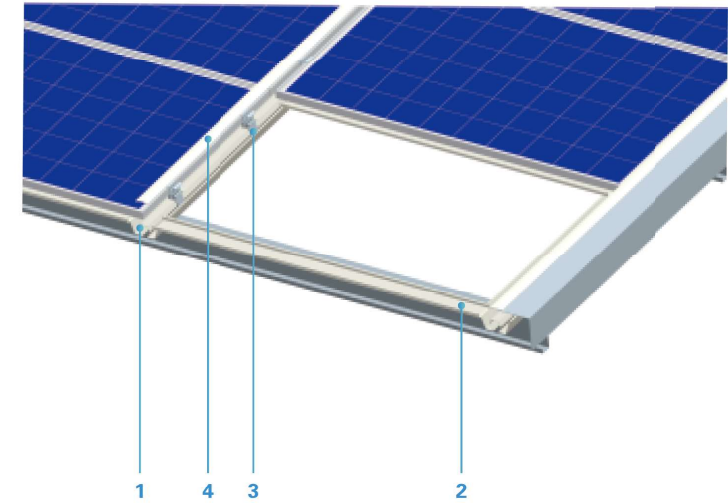
### Structural waterproof design

System with structural waterproof design, Not need to be glued, Long lasting



### Double waterproof protection

Each node of system designed with double waterproof protection, More comprehensive consideration



### BIPV MAIN MATERIAL LIST:

SERIAL NUMBER	ITEM	MATERIAL
1	Longitudinal Grider	Zinc-Aluminum plated
2	Lateral water tank	Zinc-Aluminum plated
3	Fixed clamp	Aluminium Alloy
4	Ceiling board	Aluminium Alloy
5	Briquettes	Aluminium Alloy
6	Gland strip	EPDM





BUILDING-INTEGRATED  
PHOTOVOLTAIC  
SOLUTION BROCHURE



## NIKEDO 6MW PROJECT